

# D-Link®

## PRODUCT GUIDE

SWITCHES

WIRELESS

VIDEO SURVEILLANCE

SMART HOME



آنتیکه ابرسان  
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## WHY D-LINK?

# Why D-Link?

D-Link has been the digital brand of choice for millions of customers since way back in 1986. Back, in fact, since the Internet was in its infancy. We have grown with it, led the trends and continuously developed leading-edge products that are reflective of the needs and demands of real people in the real world, whether at work or at home.

As a billion-dollar company, D-Link has both the resources and expertise needed to stay abreast of, and in many cases pioneer, technological trends through ongoing research and development programmes. All this translates into affordable, market-leading products that make your business or personal life easier.



## For Home

There's no avoiding it – we now live in a digital world, a world in which we want all our devices to talk to each other, to seamlessly integrate without the need for human intervention or continual techy tinkering. We want to stream music throughout our homes, ask Siri or Alexa what the weather will be like, visually monitor our babies while they sleep, download HD movies, share photos, play games and, of course, check our emails and browse the web.

All this needs modern, technologically advanced products that seamlessly integrate into our lives. And D-Link provides it all. Whether you need the latest Wave2 Wireless router, a state-of-the-art network camera, smart plug, Wi-Fi range extender or a 4G dongle, there's a D-Link product to suit.

## For Business

From a business user perspective, D-Link has the scale, the resources, the experience and the expertise that the world's most demanding businesses look for. We make sure we stay really close to our customers' businesses and then, because our R&D resources are geared to fast-track product development, we provide them with early access to the most advanced solutions possible.

D-Link's switching, industrial Ethernet, wireless, security, surveillance and management solutions deliver best-in-class performance. We offer standardised technology with industry leading functionality integrated into highly flexible, highly reliable and highly secure solutions that are easy to implement, at a price you can afford.



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## SWITCHES



# Keep your workflow running smoothly

If a switch fails, your business can experience any number of issues, from loss of connectivity for a group of users, to major disruption and downtime for the entire network. From the core of your network to its edge, D-Link's comprehensive selection of switches includes 10 Gigabit, Gigabit, Fast Ethernet and PoE that range from entry level to fully managed, more sophisticated solutions, including switches designed specifically for Metro Ethernet and datacentre applications.



## Unmanaged Switches

*No-brainer networking*

**Just plug it in, make your connections, and that's it. No configuration necessary.**

- Simple to setup with plug 'n' play
- Optional PoE models



## Smart Managed Switches

*Essential features with affordability*

**D-Link Smart Switches offer a robust set of Layer 2 and Layer 2+ features designed to support the most demanding applications.**

- Extensive range to meet the networking needs of businesses of all sizes
- Optional PoE models that support with high PoE power budgets
- Optional models with 10 Gigabit uplinks and high availability support with physical stacking
- L2/L2+ features help to optimise and improve network efficiency



## Managed Switches

*Seamless connections for demanding uses*

**Designed for network applications requiring the highest availability and reliability.**

- High-performance L3 switches
- 10 Gigabit uplinks and up to 80 Gigabit high-bandwidth stacking
- Optional Enhanced and MPLS images to add advanced VLAN and L3 routing as well as MPLS protocols support
- Comprehensive management and security features

## Independent switch reviews...



Tolly Group has tested several of our smart managed and fully managed switches against well-known competitors, and the results are excellent. To find out more, visit [www.dlink.to/tollyreports](http://www.dlink.to/tollyreports).



# SWITCHES

## Unmanaged Switches

### Layer 2 Unmanaged Fast Ethernet



| MODEL                         | DES-1005D | DES-105         | DES-1005P            | DES-1008D | DES-108         | DES-1008PA             | DES-1016D       | DES-1018MP              | DES-1024D       |
|-------------------------------|-----------|-----------------|----------------------|-----------|-----------------|------------------------|-----------------|-------------------------|-----------------|
| Number of Fast Ethernet ports | 5         | 5               | 5                    | 8         | 8               | 8                      | 16              | 16                      | 24              |
| Number of Gigabit ports       |           |                 |                      |           |                 |                        |                 | 2                       |                 |
| Switching capacity            | 1 Gbps    | 1 Gbps          | 1 Gbps               | 1.6 Gbps  | 1.6 Gbps        | 1.6 Gbps               | 3.2 Gbps        | 1.6 Gbps                | 4.8 Gbps        |
| PoE standards                 |           |                 | 802.3af              |           |                 | 802.3af                |                 | 802.3af                 |                 |
| PoE power budget              |           |                 | 15.4 W               |           |                 | 52 W                   |                 | 246.4 W                 |                 |
| PoE capable ports             |           |                 | Port 1, up to 15.4 W |           |                 | Port 1-4, up to 15.4 W |                 | Port 1-16, up to 15.4 W |                 |
| Desktop                       | •         | •               | •                    | •         | •               | •                      | •               | •                       | •               |
| Rackmountable                 |           |                 |                      |           |                 |                        |                 |                         |                 |
| Metal enclosure               |           | •               | •                    |           | •               | •                      | •               | •                       | •               |
| Fanless                       | •         | •               | •                    | •         | •               | •                      | •               | •                       | •               |
| MAC address                   | 2K        | 2K              | 2K                   | 1K        | 1K              | 1K                     | 8K              | 8K                      | 8K              |
| 802.1p QoS                    |           | • (Strict mode) | • (Strict mode)      |           | • (Strict mode) |                        | • (Strict mode) |                         | • (Strict mode) |
| Number of QoS queues          |           | 2               | 4                    |           | 2               |                        | 2               |                         | 2               |
| D-Link Green                  | •         | •               | •                    | •         | •               |                        | •               | •                       | •               |
| 802.3az EEE                   | •         | •               | •                    | •         | •               |                        | •               | •                       | •               |
| Power supply type             | External  | External        | External             | External  | External        | External               | Internal        | Internal                | Internal        |

### Layer 2 Unmanaged Gigabit



| MODEL  | DGS-1005D       | DGS-105         | DGS-1008D       | DGS-108         | DGS-1008P             | DGS-1008MP            | DGS-1016D    | DGS-1024D    | DGS-1026MP             |
|--|-----------------|-----------------|-----------------|-----------------|-----------------------|-----------------------|--------------|--------------|------------------------|
| Number of Gigabit ports  | 5               | 5               | 8               | 8               | 8                     | 8                     | 16           | 24           | 24                     |
| Number of Combo 1000BASE-T/SFP ports   |                 |                 |                 |                 |                       |                       |              |              | 2                      |
| Switching capacity   | 10 Gbps         | 10 Gbps         | 16 Gbps         | 16 Gbps         | 16 Gbps               | 16 Gbps               | 32 Gbps      | 48 Gbps      | 52 Gbps                |
| PoE standards  |                 |                 |                 |                 | 802.3at               | 802.3af, 802.3at      |              |              | 802.3af, 802.3at       |
| PoE power budget   |                 |                 |                 |                 | 68 W                  | 140 W                 |              |              | 370 W                  |
| PoE capable ports  |                 |                 |                 |                 | Ports 1-4, up to 30 W | Ports 1-8, up to 30 W |              |              | Ports 1-24, up to 30 W |
| DIP switch (Energy-Efficient Ethernet (EEE)/Flow Control/Port Isolation and Storm Control) |                 |                 |                 |                 |                       |                       | •            | •            |                        |
| Desktop  | •               | •               | •               | •               | •                     | •                     | •            | •            | •                      |
| Rackmountable  |                 |                 |                 |                 |                       |                       |              |              |                        |
| Metal enclosure  |                 | •               |                 | •               | •                     | •                     | •            | •            | •                      |
| Fanless  | •               | •               | •               | •               | •                     | •                     | •            | •            | 2 x smart fan          |
| MAC address  | 8K              | 2K              | 4K              | 8K              | 4K                    | 8K                    | 8K           | 8K           | 8K                     |
| Jumbo frame  | 9000 Bytes      | 9000 Bytes      | 9720 Bytes      | 9000 Bytes      | 9720 Bytes            | 9216 Bytes            | 10,000 Bytes | 10,000 Bytes | 9600 Bytes             |
| 802.1p QoS   | • (Strict mode)       |                       | •            | •            |                        |
| Number of QoS queues   | 4               | 4               | 4               | 4               | 4                     |                       | 8            | 8            |                        |
| Cable diagnostics  | •               | •               | •               | •               | •                     | •                     | •            | •            | •                      |
| D-Link Green   | •               | •               | •               | •               | •                     | •                     | •            | •            | •                      |
| 802.3az EEE  | •               | •               | •               | •               | •                     | •                     | •            | •            | •                      |
| Power supply type  | External        | External        | External        | External        | External              | Internal              | Internal     | Internal     | Internal               |

# SWITCHES

## Fast Ethernet Smart Switches

### Fast Ethernet Smart Managed



|            | MODEL                                    | DES-1100-16  | DES-1100-24  | DES-1210-08P          | DES-1210-28    | DES-1210-28P                                    | DES-1210-52    |
|------------|--|--------------|--------------|-----------------------|----------------|---|----------------|
| HARDWARE   | Number of Fast Ethernet ports            | 16           | 24           | 8                     | 24             | 24  | 48             |
|            | Number of Gigabit ports                  |              |              |                       | 2              | 2   | 2              |
|            | Number of Combo 1000BASE-T/SFP ports     |              |              |                       | 2              | 2   | 2              |
|            | Number of SFP ports                      |              |              |                       |                |   |                |
|            | Switching capacity                       | 3.2 Gbps     | 4.8 Gbps     | 1.6 Gbps              | 12.8 Gbps      | 12.8 Gbps                                       | 17.6 Gbps      |
|            | PoE standards                            |              |              | 802.3af               |                | 802.3af, 802.3at                                |                |
|            | PoE power budget                         |              |              | 72W                   |                | 193W  |                |
|            | PoE capable ports                        |              |              | Port 1-8, up to 15.4W |                | Port 1-4, up to 30 W<br>Port 5-24, up to 15.4 W |                |
|            | Fanless                                  | •            | •            | •                     | •              | •   | •              |
|            | D-Link Green                             |              |              | •                     | •              | •   | •              |
|            | 802.3az EEE                              |              |              |                       |                |   |                |
|            | Power supply type                        | Internal     | Internal     | Internal              | Internal       | Internal  | Internal       |
| L2         | MAC address                              | 8K           | 8K           | 8K                    | 8K             | 8K  | 16K            |
|            | 802.1D STP, 802.1w RSTP, 802.1s MSTP     |              |              | 802.1D, 802.1w        | 802.1D, 802.1w | 802.1D, 802.1w                                  | 802.1D, 802.1w |
|            | 802.3ad link aggregation / port trunking | Static trunk | Static trunk | 802.3ad               | 802.3ad        | 802.3ad   | 802.3ad        |
| VLAN       | VLAN group (max static)                  | 32           | 32           | 256                   | 256            | 256   | 256            |
|            | Port / MAC / protocol-based VLAN, GVRP   | Port         | Port         |                       |                |   |                |
|            | Asymmetric VLAN                          |              |              | •                     | •              | •   | •              |
| L3         | Auto Voice/Surveillance VLAN             |              |              | •                     | •              | •   | •              |
|            | IPv4/IPv6 routing table                  |              |              |                       |                |   |                |
|            | IP interfaces                            |              |              |                       |                |   |                |
|            | IPv6 Core Ready Logo Phase 2             |              |              | •                     | •              | •   | •              |
|            | Routing table size                       |              |              |                       |                |   |                |
| QoS        | Static route for IPv4/IPv6               |              |              |                       |                |   |                |
|            | Number of queues per port                | 2            | 2            | 4                     | 4              | 4   | 4              |
|            | CoS based on contents                    |              |              | •                     | •              | •   | •              |
| ACL        | Bandwidth control (min. granularity)     | • (512Kbps)  | • (512Kbps)  | • (64Kbps)            | • (64Kbps)     | • (64Kbps)                                      | • (64Kbps)     |
|            | ACL (Ingress / Egress / VLAN-based)      |              |              | • (Ingress)           | • (Ingress)    | • (Ingress)                                     | • (Ingress)    |
| SECURITY   | Based on packet contents                 |              |              | •                     | •              | •   | •              |
|            | SSH, SSL (v1/v2/v3)                      |              |              | SSL                   | SSL            | SSL   | SSL            |
|            | Smart Binding                            |              |              | •                     | •              | •   | •              |
|            | ARP spoofing                             |              |              | •                     | •              | •   | •              |
| AAA        | 802.1X access control                    |              |              | •                     | •              | •   | •              |
|            | RADIUS                                   |              |              | •                     | •              | •   | •              |
| MANAGEMENT | SNMP (v1/v2c/v3), RMON v1                |              |              | •                     | •              | •   | •              |
|            | LLDP-MED                                 |              |              | •                     | •              | •   | •              |
|            | ICMPv6                                   |              |              | •                     | •              | •   | •              |



## SWITCHES



## Smart Switches

*They're called Smart for a reason*

D-Link Smart Switches offer a robust set of Layer 2 and Layer 2+ features and are designed to support your company's most demanding applications. With port densities ranging from 8 to 52, speeds ranging from Fast Ethernet to 10 Gigabit, models with or without PoE, we have the right Smart Switch solution to keep your business running and your budget intact.

Smart switches are attractively priced, easy to set up and configure, and support an essential suite of L2/L2+ switching features. D-Link offers six families of Smart Switches to meet the networking needs of businesses of all sizes.

## What are the benefits of...

### PoE Support?

Power over Ethernet makes network device installation simpler, safer, and less expensive. Whether you're deploying a network of IP Cameras, Wireless APs, IP phones, or any other PoE device, D-Link PoE switches will provide the flexibility, simplicity, safety and cost savings you need for a successful installation.

### 10 Gigabit Connectivity?

10 Gigabit switches offer a low-cost solution to solve the demands for bandwidth. Not only the cost of installation is low, but the cost of network maintenance and management is minimal as well, since it can be performed by local network administrators. In addition to the cost-reduction benefit, 10 Gigabit Ethernet allows faster switching since it uses the same Ethernet format as slower switches, thus allowing seamless integration of LAN, MAN, and WAN.

### Layer 2+ Support?

Layer 2+ support helps to reduce the pressure of routers and backbone networks through wired speed inter-VLAN routing, improving the overall network efficiency. Further optimisation of the network can be done through L2/L3/L4 Quality of Service (QoS) and Access Control Lists (ACL) to improve network performance as well as security.

### Stacking?

Essentially, stacking enables multiple switches to be seen as a single switch for set-up and admin purposes, but also provides more resiliency than uplinked switches. Centralised traffic-path selection mitigates STP issues between switches, and stacking also provides faster bandwidth between switches along with shared power between switches.



SWITCHES

Gigabit Smart Switches



|                              | MODEL                                   | DGS-1210-28 | DGS-1210-28P           | DGS-1210-28MP          | DGS-1210-52 | DGS-1210-52MP          | DGS-1210-20/ME             | DGS-1210-28/ME             | DGS-1210-28MP/ME           |
|------------------------------|---|-------------|------------------------|------------------------|-------------|------------------------|----------------------------|----------------------------|----------------------------|
| HARDWARE                     | Number of Gigabit ports                 | 24          | 24                     | 24                     | 48          | 48                     | 16                         | 24                         | 24                         |
|                              | Number of Combo 1000BASE-T/SFP ports    | 4           | 4                      | 4                      | 4           | 4                      |                            |                            |                            |
|                              | Number of SFP ports                     |             |                        |                        |             |                        | 4                          | 4                          | 4                          |
|                              | Switching capacity                      | 56 Gbps     | 56 Gbps                | 56 Gbps                | 104 Gbps    | 104 Gbps               | 40 Gbps                    | 56 Gbps                    | 56 Gbps                    |
|                              | PoE standards                           |             | 802.3af, 802.3at       | 802.3af, 802.3at       |             | 802.3af, 802.3at       |                            |                            | 802.3af, 802.3at           |
|                              | PoE power budget                        |             | 193 W                  | 370 W                  |             | 370 W                  |                            |                            | 370 W                      |
|                              | PoE capable ports                       |             | Ports 1-24, up to 30 W | Ports 1-24, up to 30 W |             | Ports 1-48, up to 30 W |                            |                            | Ports 1-24, up to 30 W     |
|                              | 6kV Surge protection                    |             |                        |                        |             |                        | All Gigabit Ethernet ports | All Gigabit Ethernet ports | All Gigabit Ethernet ports |
|                              | Fanless                                 | •           |                        |                        |             |                        | •                          | •                          |                            |
|                              | Smart fan                               |             | •                      | •                      | •           | •                      |                            |                            | •                          |
| D-Link Green                 | •                                       | •           | •                      | •                      | •           | •                      | •                          | •                          |                            |
| 802.3az EEE                  | •                                       | •           | •                      | •                      | •           | •                      | •                          | •                          |                            |
| Power supply type            | Internal                                | Internal    | Internal               | Internal               | Internal    | Internal               | Internal                   | Internal                   |                            |
| L2                           | MAC address                             | 8K          | 8K                     | 16K                    | 16K         | 8K                     | 16K                        | 16K                        | 16K                        |
|                              | 802.1D STP, 802.1w RSTP, 802.1s MSTP    | •           | •                      | •                      | •           | •                      | •                          | •                          | •                          |
|                              | 802.3ad link aggregation                | •           | •                      | •                      | •           | •                      | •                          | •                          | •                          |
|                              | ERPS                                    |             |                        |                        |             |                        | •                          | •                          | •                          |
| VLAN                         | VLAN group (max static)                 | 256         | 256                    | 256                    | 256         | 256                    | 256                        | 256                        | 256                        |
|                              | Port / MAC / protocol-based VLAN, GVRP  | Port        | Port                   | Port                   | Port        | Port                   | •                          | •                          | •                          |
|                              | Port-based Q-in-Q, ISM VLAN             |             |                        |                        |             |                        | •                          | •                          | •                          |
|                              | Asymmetric VLAN                         | •           | •                      | •                      | •           | •                      | •                          | •                          | •                          |
| Auto Voice/Surveillance VLAN | •                                       | •           | •                      | •                      | •           | •                      | •                          | •                          |                            |
| L3                           | IP interfaces                           | 4           | 4                      | 1                      | 4           | 4                      | 4                          | 4                          | 4                          |
|                              | IPv6 Core Ready Logo Phase 2            | •           | •                      | •                      | •           | •                      | •                          | •                          | •                          |
|                              | Static route for IPv4/IPv6              | 124/50      | 124/50                 | 64/32                  | 124/50      | 124/50                 | 64/32                      | 64/32                      | 64/32                      |
| QoS                          | Number of queues per port               | 8           | 8                      | 8                      | 8           | 8                      | 8                          | 8                          | 8                          |
|                              | CoS based on contents                   | •           | •                      | •                      | •           | •                      | •                          | •                          | •                          |
|                              | Bandwidth control (min. granularity)    | • (16 Kbps) | • (16 Kbps)            | • (64 Kbps)            | • (16 Kbps) | • (16 Kbps)            | • (64 Kbps)                | • (64 Kbps)                | • (64 Kbps)                |
| SURVEILLANCE MODE            | Video Surveillance Mode                 | •           | •                      | •                      | •           | •                      |                            |                            |                            |
|                              | ONVIF Device Discovery                  | •           | •                      | •                      | •           | •                      |                            |                            |                            |
|                              | Video Surveillance Topology             | •           | •                      | •                      | •           | •                      |                            |                            |                            |
|                              | Video Surveillance Device Information   | •           | •                      | •                      | •           | •                      |                            |                            |                            |
| ACL                          | ACL (Ingress / Egress / VLAN-based ACL) | • (Ingress) | • (Ingress)            | • (Ingress)            | • (Ingress) | • (Ingress)            | • (Ingress)                | • (Ingress)                | • (Ingress)                |
|                              | Based on packet contents                | •           | •                      | •                      | •           | •                      | •                          | •                          | •                          |
| SECURITY                     | SSH, SSL (v1/v2/v3)                     | •           | •                      | •                      | •           | •                      | •                          | •                          | •                          |
|                              | IP-MAC-port binding (IMPB)              | •           | •                      | •                      | •           | •                      | •                          | •                          | •                          |
|                              | ARP spoofing                            | •           | •                      | •                      | •           | •                      | •                          | •                          | •                          |
| AAA                          | 802.1X access control                   | •           | •                      | •                      | •           | •                      | •                          | •                          | •                          |
|                              | RADIUS                                  | •           | •                      | •                      | •           | •                      | •                          | •                          | •                          |
| MANAGEMENT                   | Dual image                              | •           | •                      | •                      | •           | •                      |                            |                            |                            |
|                              | SNMP (v1/v2c/v3), RMON v1               | •           | •                      | •                      | •           | •                      | •                          | •                          | •                          |
|                              | LLDP-MED                                | •           | •                      | •                      | •           | •                      | •                          | •                          | •                          |
|                              | ICMPv6                                  | •           | •                      | •                      | •           | •                      | •                          | •                          | •                          |
| 802.3ah                      |   |             |                        |                        |             | •                      | •                          | •                          |                            |



## SWITCHES



## 10 Gigabit Connectivity

*Performance and speed*

Business networks of all sizes are faced daily with an increasing amount of data that needs to be processed, stored, backed up and accessible. In many cases, Gigabit Ethernet just can't keep up anymore. With 10 Gigabit Ethernet pricing now more affordable than ever, IT managers are seizing the opportunity to upgrade their networks and keep pace with these growing bandwidth demands. Whether the needs are at the network edge, in the distribution layer, or the core, D-Link has the right solution for your network. From economical Smart Switches to feature-rich fully managed L2/L3 Aggregation Switches, our equipment can relieve your bandwidth bottlenecks and keep data traffic flowing at the fastest possible speeds.

## Copper or Fibre, for Uplink or Stacking

10Gbps Ethernet is no longer restricted to fibre optic media only. Recent advancements in chip design have made 10GBASE-T (10Gbps over copper) more economical and easier to deploy than ever before. Direct Attach Copper (DAC) is also a popular choice, especially for shorter distance, latency-sensitive applications.

| Media  | Type         | Distance   | Switch Interface | Typical Latency | Typical Application       |
|--------|--------------|------------|------------------|-----------------|---------------------------|
| Copper | DAC (Twinex) | Up to 7m   | SFP+             | Better          | Server/Rack               |
|        | CAT-6        | ~30m       | RJ-45            | Good            | SMB Aggregation Switching |
|        | CAT-6a       | Up to 100m |                  |                 |                           |
|        | CAT-7        |            |                  |                 |                           |
| Fibre  | MMF          | Up to 400m | SFP+             | Best            | Campus Network            |
|        | SMF          | 10km+      |                  |                 |                           |

## What's 10 Gigabit Ethernet good for?

### 1 Edge Switch

*Small office network running specialised applications*

### 2 Distribution Switch

*Small/medium office network*

### 3 Aggregation Switch

*Enterprise/campus network*

### 4 Core Switch

*Medium business/small enterprise office network*

### 5 Top-of-Rack Switch – small office

*Small office server closet*

### 6 Top-of-Rack Switch

*Enterprise/campus data center*

# SWITCHES

## Layer 2 Gigabit Managed Switches



| MODEL  | DGS-3000-28LP          | DGS-3000-28X | DGS-3000-28XMP         | DGS-3000-52X | DGS-3120-24TC/SI         | DGS-3120-24PC/SI                  | DGS-3120-24SC/SI         | DGS-3120-48TC/SI         | DGS-3120-48PC/SI                  | DGS-3120 EI               |
|--|------------------------|--------------|------------------------|--------------|--------------------------|-----------------------------------|--------------------------|--------------------------|-----------------------------------|---------------------------|
| <b>HARDWARE</b>                                  |                        |              |                        |              |                          |                                   |                          |                          |                                   |                           |
| Number of Gigabit ports                          | 24                     | 24           | 24                     | 48           | 20                       | 20                                | 20                       | 44                       | 44                                | See specific switch model |
| Number of Combo 1000BASE-T/SFP ports             |                        |              |                        |              | 4                        | 4                                 | 8                        | 4                        | 4                                 | See specific switch model |
| Number of SFP ports                              | 4                      |              |                        |              |                          |                                   | 16                       |                          |                                   | See specific switch model |
| Number of 10G SFP+ ports                         |                        | 4            | 4                      | 4            |                          |                                   |                          |                          |                                   | See specific switch model |
| Number of optional 10G uplinks or stacking ports |                        |              |                        |              | 2                        | 2                                 | 2                        | 2                        | 2                                 | See specific switch model |
| Switching capacity                               | 56 Gbps                | 128 Gbps     | 128 Gbps               | 176 Gbps     | 88 Gbps                  | 88 Gbps                           | 88 Gbps                  | 136 Gbps                 | 136 Gbps                          | See specific switch model |
| PoE standards                                    | 802.3af, 802.3at       |              | 802.3af, 802.3at       |              |                          | 802.3af, 802.3at                  |                          |                          | 802.3af, 802.3at                  | See specific switch model |
| PoE power budget                                 | 193 W                  |              | 370 W                  |              |                          | 370 W<br>(740 W with DPS-700 RPS) |                          |                          | 370 W<br>(740 W with DPS-700 RPS) | See specific switch model |
| PoE capable ports                                | Ports 1-24, up to 30 W |              | Ports 1-24, up to 30 W |              |                          | Ports 1-24, up to 30 W            |                          |                          | Ports 1-48, up to 30 W            |                           |
| Power supply type                                | Internal               | Internal     | Internal               | Internal     | Internal                 | Internal                          | Internal                 | Internal                 | Internal                          |                           |
| Physical stacking (device / max bandwidth)       |                        |              |                        |              | • (6/40G)                | • (6/40G)                         | • (6/40G)                | • (6/40G)                | • (6/40G)                         | • (6/40G)                 |
| Virtual stacking (device)                        | • (32)                 | • (32)       | • (32)                 | • (32)       | • (32)                   | • (32)                            | • (32)                   | • (32)                   | • (32)                            | • (32)                    |
| <b>L2</b>  |                        |              |                        |              |                          |                                   |                          |                          |                                   |                           |
| MAC address                                      | 16K                    | 16K          | 16K                    | 16K          | 16K                      | 16K                               | 16K                      | 16K                      | 16K                               | 16K                       |
| 802.1D STP, 802.1w RSTP, 802.1s MSTP             | •                      | •            | •                      | •            | •                        | •                                 | •                        | •                        | •                                 | •                         |
| Ethernet ring protection switching (ERPS)        | •                      | •            | •                      | •            |                          |                                   |                          |                          |                                   | •                         |
| 802.3ad, 802.1AX link aggregation                | •                      | •            | •                      | •            | 802.3ad                  | 802.3ad                           | 802.3ad                  | 802.3ad                  | 802.3ad                           | 802.3ad                   |
| <b>VLAN</b>                                      |                        |              |                        |              |                          |                                   |                          |                          |                                   |                           |
| VLAN group (max static)                          | 4K                     | 4K           | 4K                     | 4K           | 4K                       | 4K                                | 4K                       | 4K                       | 4K                                | 4K                        |
| Port / MAC / protocol-based VLAN, GVRP           | •                      | •            | •                      | •            | •                        | •                                 | •                        | •                        | •                                 | •                         |
| Port-based double VLAN                           | •                      | •            | •                      | •            |                          |                                   |                          |                          |                                   | •                         |
| Selective double VLAN                            |                        |              |                        |              |                          |                                   |                          |                          |                                   |                           |
| ISM VLAN   | •                      | •            | •                      | •            | •                        | •                                 | •                        | •                        | •                                 | •                         |
| Voice VLAN                                       | •                      | •            | •                      | •            | •                        | •                                 | •                        | •                        | •                                 | •                         |
| <b>L3</b>  |                        |              |                        |              |                          |                                   |                          |                          |                                   |                           |
| IPv4/IPv6 routing table                          |                        |              |                        |              |                          |                                   |                          |                          |                                   | 512 / 512                 |
| IPv4/IPv6 forwarding table                       |                        |              |                        |              |                          |                                   |                          |                          |                                   | 2K / 1K                   |
| IP interfaces                                    | 16                     | 16           | 16                     | 16           |                          |                                   |                          |                          |                                   | 16                        |
| IPv6 Ready Logo, IPv6 neighbour discovery (ND)   |                        |              |                        |              | •                        | •                                 | •                        | •                        | •                                 | •                         |
| Static route for IPv4/IPv6                       | 64 / 32                | 64 / 32      | 64 / 32                | 64 / 32      |                          |                                   |                          |                          |                                   | 512                       |
| RIP v1/v2, RIPng                                 |                        |              |                        |              |                          |                                   |                          |                          |                                   |                           |
| <b>QoS</b>                                       |                        |              |                        |              |                          |                                   |                          |                          |                                   |                           |
| Number of queues per port                        | 8                      | 8            | 8                      | 8            | 8                        | 8                                 | 8                        | 8                        | 8                                 | 8                         |
| CoS based on contents                            | •                      | •            | •                      | •            | •                        | •                                 | •                        | •                        | •                                 | •                         |
| Bandwidth control (min. granularity)             | • (64Kbps)             | • (64Kbps)   | • (64Kbps)             | • (64Kbps)   | • (64Kbps)               | • (64Kbps)                        | • (64Kbps)               | • (64Kbps)               | • (64Kbps)                        | • (64Kbps)                |
| Time-based QoS                                   |                        |              |                        |              |                          |                                   |                          |                          |                                   |                           |
| <b>ACL</b>                                       |                        |              |                        |              |                          |                                   |                          |                          |                                   |                           |
| ACL (Ingress / Egress / VLAN-based)              | • (Ingress)            | • (Ingress)  | • (Ingress)            | • (Ingress)  | • (Ingress / VLAN-based) | • (Ingress / VLAN-based)          | • (Ingress / VLAN-based) | • (Ingress / VLAN-based) | • (Ingress / VLAN-based)          | •                         |
| Based on packet contents                         | •                      | •            | •                      | •            | •                        | •                                 | •                        | •                        | •                                 | •                         |
| Time-based ACL                                   | •                      | •            | •                      | •            | •                        | •                                 | •                        | •                        | •                                 | •                         |
| <b>SECURITY</b>                                  |                        |              |                        |              |                          |                                   |                          |                          |                                   |                           |
| SSH, SSL (v1/v2/v3)                              | •                      | •            | •                      | •            | •                        | •                                 | •                        | •                        | •                                 | •                         |
| IP-MAC-port binding (IMPB)                       | •                      | •            | •                      | •            | •                        | •                                 | •                        | •                        | •                                 | •                         |
| ARP spoofing, BPDU attack protection             | •                      | •            | •                      | •            | •                        | •                                 | •                        | •                        | •                                 | •                         |
| <b>AAA</b>                                       |                        |              |                        |              |                          |                                   |                          |                          |                                   |                           |
| 802.1X access control                            | •                      | •            | •                      | •            | •                        | •                                 | •                        | •                        | •                                 | •                         |
| Microsoft NAP support                            | •                      | •            | •                      | •            | •                        | •                                 | •                        | •                        | •                                 | •                         |
| RADIUS/TACACS+ authentication                    | •                      | •            | •                      | •            | •                        | •                                 | •                        | •                        | •                                 | •                         |
| <b>MANAGEMENT</b>                                |                        |              |                        |              |                          |                                   |                          |                          |                                   |                           |
| SNMP (v1/v2c/v3), RMON v1/v2                     | •                      | •            | •                      | •            | •                        | •                                 | •                        | •                        | •                                 | •                         |
| sFlow  | •                      | •            | •                      | •            | •                        | •                                 | •                        | •                        | •                                 | •                         |
| LLDP-MED   | •                      | •            | •                      | •            | •                        | •                                 | •                        | •                        | •                                 | •                         |
| ICMPv6   | •                      | •            | •                      | •            | •                        | •                                 | •                        | •                        | •                                 | •                         |
| 802.3ah, 802.1ag, ITU-TY.1731                    | •                      | •            | •                      | •            |                          |                                   |                          |                          |                                   | •                         |

SWITCHES

Layer 2+ Gigabit/  
10 Gigabit  
Managed Switches

Layer 2+ Gigabit Managed Layer 2+ 10 Gigabit Managed



| MODEL  | DGS-3420-28TC                     | DGS-3420-28SC                     | DGS-3420-28PC                     | DGS-3420-52T                      | DGS-3420-52P                      | DXS-3400-24TC                     | DXS-3400-24SC                     |
|--|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| <b>HARDWARE</b>                                |                                   |                                   |                                   |                                   |                                   |                                   |                                   |
| Number of Gigabit ports                        | 20                                |                                   | 20                                | 48                                | 48                                |                                   |                                   |
| Number of 10GBASE-T ports                      |                                   |                                   |                                   |                                   |                                   | 20                                |                                   |
| Number of Combo 1000BASE-T/SFP ports           | 4                                 | 4                                 | 4                                 |                                   |                                   |                                   |                                   |
| Number of Combo 10GBASE-T/SFP+ ports           |                                   |                                   |                                   |                                   |                                   | 4                                 | 4                                 |
| Number of SFP ports                            |                                   | 20                                |                                   |                                   |                                   |                                   |                                   |
| Number of 10G SFP+ ports                       | 4                                 | 4                                 | 4                                 | 4                                 | 4                                 |                                   | 20                                |
| Switching capacity                             | 128 Gbps                          | 128 Gbps                          | 128 Gbps                          | 176 Gbps                          | 176 Gbps                          | 480 Gbps                          | 480 Gbps                          |
| PoE standards                                  |                                   |                                   | 802.3af, 802.3at                  |                                   | 802.3af, 802.3at                  |                                   |                                   |
| PoE power budget                               |                                   |                                   | 370 W<br>(740 W with DPS-700 RPS) |                                   | 370 W<br>(740 W with DPS-700 RPS) |                                   |                                   |
| PoE capable ports                              |                                   |                                   | Ports 1-24, up to 30 W            |                                   | Ports 1-48, up to 30 W            |                                   |                                   |
| Power supply type                              | Internal                          |
| Physical stacking (device / max bandwidth)     | • (12/40G)                        | • (4/80G)                         | • (4/80G)                         |
| Virtual stacking ((device)                     | • (32)                            | • (32)                            | • (32)                            | • (32)                            | • (32)                            | • (32)                            | • (32)                            |
| <b>L2</b>                                      |                                   |                                   |                                   |                                   |                                   |                                   |                                   |
| MAC address                                    | 16K                               | 16K                               | 16K                               | 16K                               | 16K                               | 48K                               | 48K                               |
| 802.1D STP, 802.1w RSTP, 802.1s MSTP           | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 |
| Ethernet ring protection switching (ERPS)      | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 |
| 802.3ad, 802.1AX link aggregation              | •                                 | •                                 | •                                 | •                                 | •                                 | • (802.1AX only)                  | • (802.1AX only)                  |
| <b>VLAN</b>                                    |                                   |                                   |                                   |                                   |                                   |                                   |                                   |
| VLAN group (max static)                        | 4K                                |
| Port / MAC / protocol-based VLAN, GVRP         | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 |
| Port-based / selective double VLAN             | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 |
| ISM / voice VLAN                               | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 |
| DCB - 802.1Qbb, 802.1Qaz                       |                                   |                                   |                                   |                                   |                                   | •                                 | •                                 |
| <b>L3</b>                                      |                                   |                                   |                                   |                                   |                                   |                                   |                                   |
| IPv4/IPv6 routing table                        | 1K / 512                          | 4K / 1K                           | 4K / 1K                           |
| IPv4/IPv6 forwarding table                     | 2K / 1K                           | 32K / 16K                         | 32K / 16K                         |
| IP interfaces                                  | 256                               | 256                               | 256                               | 256                               | 256                               | 256                               | 256                               |
| IPv6 Ready Logo, IPv6 neighbour discovery (ND) | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 |
| Static route for IPv4/IPv6                     | 256                               | 256                               | 256                               | 256                               | 256                               | 256 / 128                         | 256 / 128                         |
| RIP v1/v2, RIPng                               | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 |
| <b>QoS</b>                                     |                                   |                                   |                                   |                                   |                                   |                                   |                                   |
| Number of queues per port                      | 8                                 | 8                                 | 8                                 | 8                                 | 8                                 | 8                                 | 8                                 |
| CoS based on contents                          | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 |
| Bandwidth control (min. granularity)           | • (64Kbps)                        | • (1Kbps)                         | • (1Kbps)                         | • (1Kbps)                         | • (1Kbps)                         | • (64Kbps)                        | • (64Kbps)                        |
| Time-based QoS                                 | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 |
| <b>ACL</b>                                     |                                   |                                   |                                   |                                   |                                   |                                   |                                   |
| ACL (Ingress / Egress / VLAN-based)            | • (Ingress / Egress / VLAN-based) | • (Ingress / Egress / VLAN-based) | • (Ingress / Egress / VLAN-based) | • (Ingress / Egress / VLAN-based) | • (Ingress / Egress / VLAN-based) | • (Ingress / Egress / VLAN-based) | • (Ingress / Egress / VLAN-based) |
| Based on packet contents                       | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 |
| Time-based ACL                                 | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 |
| <b>SECURITY</b>                                |                                   |                                   |                                   |                                   |                                   |                                   |                                   |
| SSH, SSL (v1/v2/v3)                            | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 |
| IP-MAC-port binding (IMPB)                     | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 |
| ARP spoofing, BPDU attack protection           | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 |
| <b>MANAGEMENT / AAA</b>                        |                                   |                                   |                                   |                                   |                                   |                                   |                                   |
| 802.1X access control                          | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 |
| Microsoft NAP support                          | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 |
| RADIUS/TACACS+ authentication                  | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 |
| SNMP (v1/v2c/v3), RMON v1/v2                   | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 |
| sFlow, LLDP-MED, ICMPv6                        | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 |
| 802.3ah, 802.1ag, ITU-TY.1731                  | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 | •                                 |



SWITCH ACCESSORIES

SFP/SFP+ Transceivers

Fast Ethernet SFP Transceivers



|                               |                         |
|-------------------------------|-------------------------|
| MODEL                         | DEM-211                 |
| Standard                      | IEEE 802.3u 100 BASE-FX |
| Connector                     | Duplex LC               |
| Cable Type (Maximum Distance) | Single-Mode             |
|                               | Multi-Mode              |
| Wavelength                    | 1310 nm                 |
| Power                         | 3.3 V                   |
| Hot-Pluggable                 | •                       |

Gigabit Ethernet SFP Transceivers



|                               |                         |                         |  |
|-------------------------------|-------------------------|-------------------------|--|
| MODEL                         | DGS-712                 | DEM-310GT               | DEM-311GT  |
| Standard                      | IEEE 802.3ab 1000BASE-T | IEEE 802.3z 1000BASE-LX | IEEE 802.3z 1000BASE-SX                              |
| Connector                     | RJ45                    | Duplex LC               | Duplex LC  |
| Cable Type (Maximum Distance) | Single-Mode             | 9/125 µm fibre (10 km)  |  |
|                               | Multi-Mode              |                         | 50/125 µm fibre (550 m)<br>62.5/125 µm fibre (220 m) |
|                               | Cat                     | Cat5, Cat5e, Cat6       |  |
| Wavelength                    |                         | 1310 nm                 | 850 nm   |
| Power                         | 3.3 V                   | 3.3 V                   | 3.3 V  |
| Hot-Pluggable                 | •                       | •                       | •  |

10 Gigabit Ethernet SFP+ Transceivers



|               |                         |  |
|---------------|-------------------------|--|
| MODEL         | DEM-431XT               | DEM-432XT  |
| Standard      | IEEE 802.3ae 10GBASE-SR | IEEE 802.3ae 10GBASE-LR  |
| Form Factor   | SFP+                    | SFP+   |
| Connector     | Duplex LC               | Duplex LC  |
| Cable Type    | Single-Mode             | 9/125 µm fibre   |
|               | Multi-Mode              | 50/125 µm fibre (OM2-82m, OM3-300m)<br>62.5/125 µm fibre (OM1 - 33m) |
| Wavelength    | 850 nm                  | 1310 nm  |
| Power         | 3.3 V                   | 3.3 V  |
| Hot-Pluggable | •                       | •  |

Switch Cables



|                           |   |  |   |   |   |   |   |
|---------------------------|---|--|---|---|---|---|---|
| MODEL                     | DEM-CB50  | DEM-CB50CXP  | DEM-CB50ICX   | DEM-CB100   | DEM-CB100S  | DEM-CB300   | DEM-CB300S  |
| Cable Series Type         | InfiniBand  | CXP Direct Attach  | InfiniBand  | InfiniBand  | SFP+ Direct Attach                                      | InfiniBand  | SFP+ Direct Attach                                      |
| Standard                  | IEEE802.3ak 10GBASE-CX4                                     | SFP MSA  | IEEE802.3ak 10GBASE-CX4                               | IEEE802.3ak 10GBASE-CX4                                     | SFP MSA   | IEEE802.3ak 10GBASE-CX4                                     | SFP MSA   |
| Device Rate               | 10 Gbps   | 120 Gbps   | 10 Gbps   | 10 Gbps   | 10 Gbps   | 10 Gbps   | 10 Gbps   |
| Connector Type            | Screw-Type at Both Ends                                     | CXP Cable Assembly   | 1 x Screw-Type / 1 x Latch                            | Screw-Type at Both Ends                                     | SFP+ Cable Assembly                                     | Screw-Type at Both Ends                                     | SFP+ Cable Assembly                                     |
| Wire AWG                  | 28  | 30   | 28  | 28  | 30  | 28  | 30  |
| Minimum Cable Bend Radius |   | 49 mm  |   |   | 23.5 mm   |   | 23.5 mm   |
| Cable Length              | 50 cm   | 50 cm  | 50 cm   | 100 cm  | 100 cm  | 300 cm  | 300 cm  |
| Voltage                   | 30 V AC   | 30 V AC  | 30 V AC   | 30 V AC   | 30 V AC   | 30 V AC   | 30 V AC   |
| Current                   | 0.5 A   | 0.5 A  | 0.5 A   | 0.5 A   | 0.5 A   | 0.5 A   | 0.5 A   |
| Operating Temperature     | -40°C to 85°C   | -40°C to 85°C  | -40°C to 85°C   | -40°C to 85°C   | -40°C to 85°C   | -40°C to 85°C   | -40°C to 85°C   |
| Connectivity              | Physical Stacking Cable or Uplink Cable for DGS-3120 Series | Physical Stacking Cable for DXS-3600-32S Switch's DXS-3600-EM-Stack Module | Connecting Cable Between DGS-3120 Series and DMC-805X | Physical Stacking Cable or Uplink Cable for DGS-3120 Series | Recommended for use only with D-Link Switching Products | Physical Stacking Cable or Uplink Cable for DGS-3120 Series | Recommended for use only with D-Link Switching Products |

Ethernet Network Adapters



|                           |   |   |
|---------------------------|---|---|
| MODEL                     | DGE-528T  | DXE-820T  |
| Data Transfer Rate        | Gigabit   | 10 Gigabit  |
| Number of ports           | 1   | 2   |
| Standards                 | • IEEE 802.3ab 1000BASE-T<br>• IEEE 802.3u 100BASE-TX | • IEEE 802.3an 10GBASE-T<br>• IEEE 802.3ab 1000BASE-T<br>• IEEE 802.3u 100BASE-TX |
| Interface Slot            | PCI 2.3   | PCI Express x8 2.0, 5 G1/s compliant  |
| Smart Load Balancing      |   | •   |
| Link Aggregation          |   | 802.3ad   |
| Energy Efficient Ethernet |   | 802.3az   |

## SWITCH ACCESSORIES

### Redundant Power Supplies



| MODEL                                 | DPS-200A          | DPS-500A          | DPS-700           |
|---------------------------------------|-------------------|-------------------|-------------------|
| Output Power                          | 60 W              | 140 W             | 589 W             |
| Input Power                           | 90 to 264 V AC    | 90 to 264 V AC    | 90 to 264 V AC    |
| Dimensions                            | 172 x 257 x 43 mm | 172 x 257 x 43 mm | 441 x 139 x 44 mm |
| Mounting Options (see adjacent table) | DPS-800           | DPS-800           | 19in Rack, 1U     |



| MODEL                                    | DPS-800            |
|--|--------------------|
| Number of Redundant Power Supply Slots   | 2                  |
| Form Factor                              | 19in Rack, 1.5U    |
| Compatible with Redundant Power Supplies | DPS-200A, DPS-500A |

| COMPATIBLE SWITCHES | DPS-200A | DPS-500A | DPS-700 |
|---------------------|----------|----------|---------|
| DGS-1510-52KMP      |          |          | •       |
| DGS-3000-10TC       | •        |          |         |
| DGS-3000-28LP       |          | •        |         |
| DGS-3000-28X        |          | •        |         |
| DGS-3000-28XMP      |          | •        |         |
| DGS-3000-52X        |          | •        |         |
| DGS-3120-24TC       | •        |          |         |
| DGS-3120-48TC       |          | •        |         |
| DGS-3120-24PC       |          |          | •       |
| DGS-3120-48PC       |          |          | •       |
| DGS-3120-24SC       | •        |          |         |
| DGS-3420-28TC       |          | •        |         |
| DGS-3420-28SC       |          | •        |         |
| DGS-3420-28PC       |          |          | •       |
| DGS-3420-52T        |          | •        |         |
| DGS-3420-52P        |          |          | •       |
| DGS-3630-28SC       |          | •        |         |
| DGS-3630-28TC       |          | •        |         |
| DGS-3630-28PC       |          |          | •       |
| DGS-3630-52TC       |          | •        |         |
| DGS-3630-52PC       |          |          | •       |

### Media Convertors



| MEDIA CONVERTERS | DMC-300SC                   | DMC-515SC                   | DMC-700SC                 | DMC-810SC                 |
|------------------|-----------------------------|-----------------------------|---------------------------|---------------------------|
| Standards        | 10/100BASE-TX<br>100BASE-TX | 10/100BASE-TX<br>100BASE-TX | 1000BASE-T<br>1000BASE-SX | 100BASE-TX<br>1000BASE-LX |
| Connectors       | SC / RJ45                   | SC / RJ45                   | SC / RJ45                 | SC / RJ45                 |
| Data Rate        | 100 Mbps                    | 100 Mbps                    | 1 Gbps                    | 1 Gbps                    |
| Fibre Type       | Multi-Mode                  | Single-Mode                 | Multi-Mode                | Single-Mode               |
| Maximum Distance | 2 km                        | 15 km                       | 550 m                     | 10 km                     |



| CHASSIS AND ACCESSORIES | DMC-1000   | DMC-1001                            |
|-------------------------|--|-------------------------------------|
| Description             | 16-Slot Media Converter Chassis with Internal Power Supply | Redundant Power Supply for DMC-1000 |

### Power over Ethernet (PoE) Adapter / Extender

#### DPE-101GI 1-Port Gigabit PoE Injector



##### Main Features

- Use without a PoE switch
- Supply power to PoE devices

##### Physical Features

- Terminal unit x 1
- Maximum power input 48 V
- Gigabit speed
- Supports 802.3af, up to 15.4 W

#### DPE-301GI Gigabit PoE+ Injector



##### Main Features

- Use without a PoE switch
- Supply power to PoE devices

##### Physical Features

- Terminal unit x 1
- Maximum power input 48 V
- Gigabit speed
- Supports 802.3at/af, up to 30 W

#### DPE-301GS Gigabit PoE+ Splitter



##### Main Features

- Add PoE to non-PoE devices
- Works with PoE switch or injector

##### Physical Features

- Terminal unit x 1
- 5 V, 9V, or 12 V DC output
- Gigabit speed
- Supports 802.3at/af, up to 30 W

#### DPE-302GE 2-Port Gigabit PoE Extender



##### Main Features

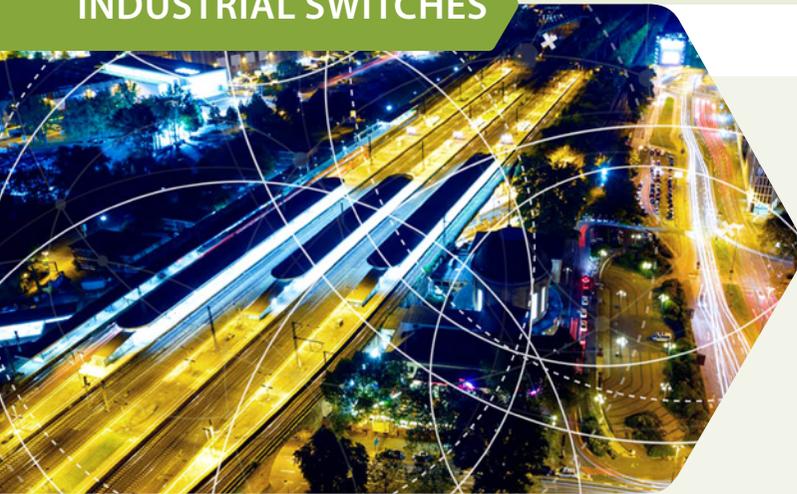
- Extends PoE connection up to 500 m\*
- Multiple mounting options

##### Physical Features

- 2 x Gigabit output ports
- Powered by PoE
- Up to 60°C operating temperature
- Supports 802.3at/af, up to 30 W

\* With multiple units

INDUSTRIAL SWITCHES



Designed for a more connected future

**1 Rugged, Hardened Design**

*Design to operate in wide temperature ranges, vibration, shock, allowing the switches to be deployed in enclosures or cabinets in outdoor locations*

**2 High Availability**

*Comprehensive network redundancy features with fast fault recovery, together with advanced security features provides industrial-grade reliability and protection*

**3 Flexible Options**

*Wide selection of port density, media and PoE provides customer with the flexibility to choose the right switch that best fits their requirement*

**Industrial Ethernet Switches**

*Rugged and reliable*

D-Link's Industrial Ethernet Gigabit Switches are designed specifically to withstand wide temperature range, vibrations and shock. These rugged, yet easy to deploy, switches have superior environmental specification compared to those of commercial network switches. With its hardened design combined with high availability network features, these switches form vital parts of any network infrastructure facilitating the increasing demand for smart cities, city-wide surveillance and wireless connectivity.



|  |
|--|
| <b>DIS-100E/100G Series</b><br>Industrial Fast Ethernet / Gigabit Unmanaged Switches for edge deployment |
| Plug and play; compact size  |
| -40 to 75° operating temperature   |
| DIN-Rail mounting  |
| 5-port   |
| Redundant power inputs   |
| Optional PoE 802.3af/at support (DIS-100G)   |

|  |
|--|
| <b>DIS-300G Series</b><br>Industrial Gigabit Managed Switches for aggregation deployment |
| High performance; compact size   |
| -40 to 75° operating temperature   |
| DIN-Rail mounting  |
| 8/12/14-port   |
| Optional PoE 802.3af/at support  |
| VLAN support for added security  |

|  |
|--|
| <b>DIS-700G Series</b><br>Industrial Layer 2+ Gigabit Managed Switch for core deployment |
| High performance   |
| -10 to 65°C operating temperature  |
| Rack mounting  |
| 24-port SFP + 4-port SFP+  |
| Supports intelligent Quality of Service (QoS)  |
| Optimisation of network traffic  |

# INDUSTRIAL SWITCHES

## Industrial Gigabit Switches



|                    | MODEL                                       | DIS-100E-5W   | DIS-100E-8W                                      | DIS-100G-5W                                      | DIS-100-5SW                                      | DIS-100G-5PSW                              | DIS-300G-12SW                                    | DIS-300G-8PSW                   | DIS-300G-14PSW                                 | DIS-700G-28XS  |  |
|--------------------|---|---|--|--|--|--|--|---------------------------------|--|--|--|
| HARDWARE           | Number of Fast Ethernet ports               | 5   | 8  |  | 4  | 4  | 8  | 6                               | 10   |  |  |
|                    | Number of Gigabit ports                     |   |  | 5  |  |  |  |                                 |  |  |  |
|                    | Number of SFP ports                         |   |  |  | 1  | 1  | 4  | 2                               | 4  | 24   |  |
|                    | Number of 10G SFP+ ports                    |   |  |  |  |  |  |                                 |  | 4  |  |
|                    | PoE standards                               |   |  |  |  | 802.3af, 802.3at                           |  | 802.3af, 802.3at                | 802.3af, 802.3at, 60W (port 1 and 2 only)      |  |  |
|                    | PoE power budget                            |   |  |  |  | 120 W                                      |  | 120 W                           | 240 W  |  |  |
|                    | PoE capable ports                           |   |  |  |  | Ports 1-4, up to 30 W                      |  | Ports 1-4, up to 30 W           | Ports 1-2, up to 60 W<br>Ports 3-8, up to 30 W |  |  |
|                    | Input voltage range                         | 12-58 VDC   | 12-58 VDC  | 12-58 VDC  | 12-58 VDC  | 12-58 VDC, 54-58V for PoE+, 48-58V for PoE | 12-58 VDC  | 48-58 VDC (54~58V VDC for PoE+) | 48-58 VDC (54~58V VDC for PoE+)                | 100/240 VAC, 50Hz ~ 60Hz   |  |
|                    | Compatible power supplies                   | DIS-H30-24, DIS-H60-24, DIS-N240-48, DIS-N480-48  | DIS-H30-24, DIS-H60-24, DIS-N240-48, DIS-N480-48 | DIS-H30-24, DIS-H60-24, DIS-N240-48, DIS-N480-48 | DIS-H30-24, DIS-H60-24, DIS-N240-48, DIS-N480-48 | DIS-N240-48, DIS-N480-48                   | DIS-H30-24, DIS-H60-24, DIS-N240-48, DIS-N480-48 | DIS-N240-48, DIS-N480-48        | DIS-N240-48, DIS-N480-48                       | Built-in   |  |
|                    | Redundant power input option                | •   | •  | •  | •  | •  | •  | •                               | •  |  |  |
|                    | Mounting option                             | Din-rail and wall mount   | Din-rail and wall mount                          | Din-rail and wall mount                          | Din-rail and wall mount                          | Din-rail and wall mount                    | Din-rail and wall mount                          | Din-rail and wall mount         | Din-rail and wall mount                        | 19@ rack mount   |  |
|                    | Operating temperature range                 | -40° to 75°C  | -40° to 75°C                                     | -40° to 75°C                                     | -40° to 75°C                                     | -40° to 75°C                               | -40° to 75°C                                     | -40 to +75°C                    | -40 to +75°C                                   | -10 to +65°C   |  |
|                    | Vibration, shock and freefall certification | Vibration: IEC60068-2-6; Shock: IEC60068-2-27; Free Fall: IEC60068-2-32   |  |  |  |  |  |                                 |  |  |  |
|                    | EMC certification                           | FCC Part 15, CISPR 22 (EN55022) Class A, ESD: IEC61000-4-2, Radiated RF (RS): IEC61000-4-3, EFT: IEC61000-4-4, Surge: IEC61000-4-5, Conducted RF (CS): IEC61000-4-6 |  |  |  |  |  |                                 |  |  |  |
| Ingress protection | IP30  |   |  |  |  |  |  |                                 |  |  |  |
| PROFINET support   |   |   |  |  |  |  |  |                                 |  |  |  |
| L2                 | MAC address                                 | 1K  | 1K   | 2K   | 2K   | 2K   | Optional 8K                                      | Optional 8K                     | Optional 8K                                    | Optional 8K  |  |
|                    | 802.1D STP, 802.1w RSTP, 802.1s MSTP        |   |  |  |  |  | •  | •                               | •  | •  |  |
|                    | Fast Failover Protection Rings (<20ms)      |   |  |  |  |  | •  | •                               | •  | •  |  |
|                    | 802.3ad with LACP                           |   |  |  |  |  | •  | •                               | •  | •  |  |
| VLAN               | VLAN group (max static)                     |   |  |  |  |  | 256  | 1024                            | 1024   | 2048   |  |
|                    | Port / MAC / protocol-based VLAN, GVRP      |   |  |  |  |  | •  | •                               | •  | •  |  |
|                    | Port-based double VLAN                      |   |  |  |  |  | •  | •                               |  |  |  |
|                    | Multicast protocols                         |   |  |  |  |  | IGMP v1/v2, IGMP snooping                        | IGMP v1/v2, IGMP snooping       | IGMP v1/v2, IGMP snooping                      | IGMP v1/v2/v3, IGMP snooping   |  |
| QoS                | 802.1p                                      |   |  | •  | •  | •  | •  | •                               | •  |  |  |
|                    | Policy-based access control engine          |   |  |  |  |  |  |                                 |  | Multi-layer ACL  |  |
|                    | Number of queues per port                   |   |  | 4  | 4  | 4  | 8  | 8                               | 8  | 8  |  |
|                    | Traffic shaper                              |   |  |  |  |  | Port-based                                       | Port-based                      | Port-based                                     | Hierarchical per port and per queue shaping & scheduling with bandwidth management |  |
| Traffic policer    |   |   |  |  |  |  |  |                                 | TrTCM  |  |  |
| SECURITY           | Multicast/Broadcast/Flooding Storm Control  |   |  |  |  |  | •  | •                               | •  | •  |  |
|                    | IP and MAC-based access control             |   |  |  |  |  | •  | •                               | •  | •  |  |
|                    | Policy-based access control                 |   |  |  |  |  |  |                                 |  | •  |  |
| AAA                | 802.1X access control                       |   |  |  |  |  | •  | •                               | •  | •  |  |
|                    | RADIUS/TACACS+ authentication               |   |  |  |  |  | •  | •                               | •  | RADIUS only  |  |
| MANAGEMENT         | SNMP (v1/v2c/v3), RMON v1/v2                |   |  |  |  |  | •  | •                               | •  | •  |  |
|                    | Web-based management                        |   |  |  |  |  | •  | •                               | •  | •  |  |
|                    | Command line interface (CLI)                |   |  |  |  |  | •  | •                               | •  | •  |  |
|                    | HTTPs, SSH                                  |   |  |  |  |  | •  | •                               | •  | •  |  |
|                    | Syslog                                      |   |  |  |  |  | •  | •                               | •  | •  |  |



| MODEL             | DWM-312<br>4G LTE M2M Router   |
|-------------------|--|
| Mobile networks   | LTE Cat./UMTS/HSPA   |
| Maximum speed     | 50 Mbps down / 50 Mbps up (LTE)  |
| Device interface  | <ul style="list-style-type: none"> <li>1 x 10/100 Fast Ethernet WAN port</li> <li>1 x 5.5 mm DC input</li> <li>2 x SMA (antenna connectors)</li> <li>Dual Micro-SIM slots</li> </ul>   |
| Advanced features | <ul style="list-style-type: none"> <li>QoS engine (Quality of Service)</li> <li>L2TP/PPTP/IPsec VPN Client/Server modes</li> <li>SNMP and D-View 7 Support</li> <li>Firmware over the air (FOTA) upgrades</li> <li>Web-based UI</li> <li>TR-069 CPE WAN Management Protocol</li> </ul> |
| Power input       | DC 5V/2A ~ 18V/0.7A  |
| Operating temp.   | -20 to 60 °C   |

|                  | MODEL       | ACCESSORIES  |
|------------------|-------------|--|
| POWER SUPPLIES   | DIS-H30-24  | 30W 24VDC Ultra Slim DIN Rail PSU<br><ul style="list-style-type: none"> <li>Input: 85 ~ 264VAC</li> <li>Output: 21.6 ~ 29V DC</li> <li>Din rail TS-35/7.5 or 15 mountable</li> <li>-30~70°C operating temperature</li> </ul> |
|                  | DIS-H60-24  | 60W 24VDC Ultra Slim DIN Rail PSU<br><ul style="list-style-type: none"> <li>Input: 85 ~ 264VAC</li> <li>Output: 21.6 ~ 29V DC</li> <li>Din rail TS-35/7.5 or 15 mountable</li> <li>-30~70°C operating temperature</li> </ul> |
|                  | DIS-N240-48 | 240W 48VDC DIN Rail PSU<br><ul style="list-style-type: none"> <li>Input: 90 ~ 264VAC</li> <li>Output: 48 ~ 55V DC</li> <li>Din rail TS-35/7.5 or 15 mountable</li> <li>-20~70°C operating temperature</li> </ul>             |
|                  | DIS-N480-48 | 480W 48VDC DIN Rail PSU<br><ul style="list-style-type: none"> <li>Input: 90 ~ 264VAC</li> <li>Output: 48 ~ 55V DC</li> <li>Din rail TS-35/7.5 or 15 mountable</li> <li>-20~70°C operating temperature</li> </ul>             |
| SFP TRANSCEIVERS | DIS-S301SX  | 1-port Mini-GBIC SFP to 1000BaseSX Multi-Mode Fibre Transceiver<br><ul style="list-style-type: none"> <li>up to 550 m</li> <li>-40~85°C operating temperature</li> </ul>   |
|                  | DIS-S302SX  | 1-port Mini-GBIC SFP to 1000BaseSX Multi-Mode Fibre Transceiver<br><ul style="list-style-type: none"> <li>up to 2 km</li> <li>-40~85°C operating temperature</li> </ul>  |
|                  | DIS-S310LX  | 1-port Mini-GBIC SFP to 1000BaseLX Single-Mode Fibre Transceiver<br><ul style="list-style-type: none"> <li>up to 10 km</li> <li>-40~85°C operating temperature</li> </ul>  |

## BUSINESS WIRELESS



# A connected workforce is a more productive workforce

D-Link wireless networking solutions enable business networks of all sizes to create highly mobile, highly productive work environments at a low total cost of ownership. With products that provide excellent value across a wide range of scenarios, D-Link wireless networks are scalable, easy to deploy and manage – delivering reliable, secure connectivity, in a self-healing solution.



## Software-Managed Wireless Access Points

*Mobility for all*

D-Link offers a wide range of robust wireless Access Points (APs) operating in both the 2.4GHz and 5GHz frequency bands, supporting the latest wireless standards including 802.11ac and 802.11n. These access points can be managed independently as standalone devices, or collectively by using Central Wi-Fi Manager, free centralised controller software that can be installed on a Windows server or PC.



## Unified Wireless: Controller-Managed Solutions

*Widespread access, local control*

Unified wireless is a scalable wireless local area network solution that combines wired and wireless services. Using a Unified Switch or Controller, Unified Wireless makes use of centralised control policies that allow network administrators to manage the configuration of all Access Points.



## nuclias Cloud-Managed Networks

People simply want things to work as they should, and network management is no exception. D-Link designed Nuclias to be a cloud networking solution with a simple and user-orientated design, packed with rich features and functionality, designed to address the needs of everyone.

# nuclias

Networking, refreshed.

Simple, feature-rich cloud-managed networks, as it should be.

Our Nuclias cloud solution allows any organisation with any level of IT resource to quickly and easily set up, configure, monitor, troubleshoot, and manage their network deployment remotely through a web browser, or the dedicated Nuclias iPad App.

## Manageability

Nuclias is a turnkey solution with simple installation and management, designed to work even if the connection to the cloud is interrupted.

## Scalability

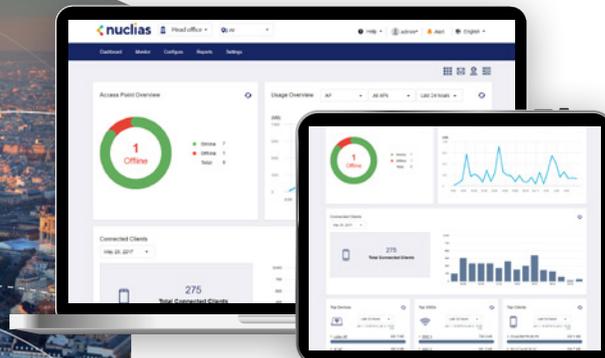
Suitable for small branch offices to large networks, Nuclias provides unlimited capacity and uncompromised throughput with its low in-band data management footprint.

## Cost saving

Zero-touch deployment and reduced installation and configuration costs thanks to a centralised, profile-based cloud management system.



1. Zero-touch provisioning
2. Deliver to deploy
3. Plug and connect



Nuclias Wave 2 AC1200 Dual-Band Access point

| MODEL                   | DBA-1210P                              |
|-------------------------|--|
| Wireless standards      | Simultaneous a/n/ac and b/g/n          |
| 802.11ac Wave 2         | •                                      |
| Maximum wireless speed  | 867 Mbps - 5 GHz<br>300 Mbps - 2.4 GHz |
| MU-MIMO                 | •                                      |
| Power-over-Ethernet     | • (802.3af)                            |
| Wired interface         | 1 x Gigabit Ethernet                   |
| Maximum number of SSIDs | 16                                     |



Nuclias Smart-Managed Switches with PoE options\*

| MODEL                      | DBS-2000 Series |
|----------------------------|-----------------|
| Number of Gigabit ports    | 8/24/48         |
| Number of Combo/ SFP ports | 2/4             |
| Optional PoE support       | 802.3af/at      |
| PoE power budget           | Up to 370W      |

\* Coming soon

BUSINESS WIRELESS



Managed Wireless



Central WiFiManager



# Managing Wireless Access

D-Link's wireless management option allows you to centrally manage and monitor up to 1,024 wireless access points either within a local network or remotely. Furthermore with our Nuclias Cloud-Managed Networks, you can quickly and easily deploy and monitor unlimited number of access points, through a simple pay as you grow subscription model.

|                     | Nuclias  | Central WiFiManager                                    | DWC-1000 (H/W vers. C1)                                   | DWC-2000                                       |   |   |   |   |
|---------------------|--|--|---|--|---|---|---|---|
| H/W                 | Number of Gigabit ports                                      |  | 4 x LAN, 2 x WAN  |  |   |   |   |   |
|                     | Number of Combo 1000Base-T/SFP ports                         |  |   | 4  |   |   |   |   |
| WLAN MANAGEMENT     | Type of controller   | Cloud-based  | Software-based  | Hardware-based                                 |   |   |   |   |
|                     | Standard number of APs                                       | N/A, Subscription per AP                               | 1000  | 12 (48 with cluster of 4 x DWC-1000)           | 64 (256 with cluster of 4 x DWC-2000)                                 |   |   |   |
|                     | Maximum number of APs through optional license upgrade       | Unlimited number of APs supported through subscription | 1000  | 66 (264 with cluster of 4 x DWC-1000)          | 256 (1024 with cluster of 4 x DWC-2000)                               |   |   |   |
|                     | Zero touch provisioning for AP deployment                    | •  |   |  |   |   |   |   |
|                     | AP geolocation   | • (with Google Maps)                                   |   |  |   |   |   |   |
|                     | Controller redundancy  |  |   | •  | •   |   |   |   |
|                     | Advanced traffic report and data analysis                    | •  |   |  |   |   |   |   |
|                     | Visualised topology  | •  | •   | •  | •   |   |   |   |
|                     | NAT pass through (AP)  | •  | •   |  |   |   |   |   |
|                     | Multi-tenancy  | •  | •   |  |   |   |   |   |
|                     | WIDS   |  |   | •  | •   |   |   |   |
|                     | IPv6   |  |   | •  | •   |   |   |   |
| USER AUTHENTICATION | Captive portal   | •  | •   | •  |   |   |   |   |
|                     | Authentication method  | 802.1x, RADIUS, Facebook/Google login                  | Local DB, external RADIUS, LDAP, POP3, Wi-Fi passcode, AD | Local DB, external RADIUS, NAP, Wi-Fi passcode | Local DB, external RADIUS, NAP, Wi-Fi passcode                        |   |   |   |
|                     | Payment gateway (Paypal, WorldPay, SecureNet, Authorise.Net) |  |   | •  | •   |   |   |   |
|                     | Web redirect   |  | •   | •  |   |   |   |   |
| RF                  | Auto transmit power control                                  |  | •   | •  |   |   |   |   |
|                     | Self-healing around failed APs                               |  | •   | •  |   |   |   |   |
| WIRELESS FEATURE    | Multiple SSID per Radio(AP)                                  |  | 8   | 16   | 16  |   |   |   |
|                     | Band steering  |  | •   | •  | •   |   |   |   |
|                     | Seamless roaming   |  |   | •  | •   |   |   |   |
|                     | L2 roaming   |  | •   | •  | •   |   |   |   |
|                     | Bandwidth optimisation                                       |  |   | • (QoS)  | • (QoS)   |   |   |   |
|                     | Load balancing   |  |   | •  | •   |   |   |   |
| SYSTEM MANAGEMENT   | Web-based user interface                                     | HTTPS  | HTTPS   | HTTP   | HTTP  |   |   |   |
|                     | Firmware/module online check                                 | •  | •   |  |   |   |   |   |
|                     | Remote management  | •  | •   | •  | •   |   |   |   |
|                     | Cloud hosting  | Native   | Amazon Web Services / Microsoft Azure                     |  |   |   |   |   |
|                     | Firmware/configuration upgrade by scheduling                 | •  | •   |  |   |   |   |   |
| NETWORKING          | WAN fail-over  |  |   | •  |   |   |   |   |
|                     | Link aggregation   |  |   |  | • (LACP)  |   |   |   |
|                     | Layer 3 routing (table size)                                 |  |   | • (100)  | • (2048)  |   |   |   |
|                     | Firewall   |  |   | •  |   |   |   |   |
|                     | VLAN   |  |   | •  | •   |   |   |   |
|                     | Support VPN gateway  |  |   | • (VPN license upgrade)                        |   |   |   |   |
| OTHERS              | Supported AP   | DBA-1210P  | DAP-2230<br>DAP-2310 (B1)<br>DAP-2360 (B1)<br>DAP-2610    | DAP-2660<br>DAP-2695<br>DAP-3320<br>DAP-3362   | DWL-2600AP<br>DWL-3600AP<br>DWL-3610AP<br>DWL-6600AP<br>DWL-6600AP/PC | DWL-6610AP<br>DWL-6610APE<br>DWL-6700AP<br>DWL-8610AP<br>DWL-8710AP | DWL-2600AP<br>DWL-3600AP<br>DWL-3610AP<br>DWL-6600AP<br>DWL-6600AP/PC | DWL-6610AP<br>DWL-6610APE<br>DWL-6700AP<br>DWL-8610AP<br>DWL-8710AP |
|                     | Optional license upgrades                                    |  |   |  | DWC-1000-AP6-LIC<br>DWC-1000-VPN-LIC                                  | DWC-2000-AP32-LIC<br>DWC-2000-AP64-LIC<br>DWC-2000-AP128-LIC        |   |   |

Saves time and resources by configuring and managing multiple access points from a cloud, software or hardware-based wireless controller. This avoids repeated configurations and improves control of the wireless network.

BUSINESS WIRELESS

Unified Wireless



| MODEL  | DWL-2600AP                | DWL-3600AP                | DWL-3610AP                             | DWL-6600AP   | DWL-6610AP                              | DWL-6610APE                             | DWL-6620APS                             | DWL-6700AP                              | DWL-7620AP                                 | DWL-8610AP                              | DWL-8710AP                              |   |
|--|---------------------------|---------------------------|--|--|---|---|---|---|--|---|---|---|
| Wireless standards   | b/g/n                     | b/g/n                     | Selectable Dual-Band b/g/n             | Simultaneous Dual-Band a/n and b/g/n               | Simultaneous Dual-Band a/n/ac and b/g/n | Simultaneous Dual-Band a/n/ac and b/g/n | Simultaneous Dual-Band a/n/ac and b/g/n | Simultaneous Dual-Band a/n/ac and b/g/n | Simultaneous Dual-Band a/n/ac and b/g/n    | Simultaneous Tri-Band a/n/ac and b/g/n  | Simultaneous Dual-Band a/n/ac and b/g/n | Simultaneous Dual-Band a/n/ac and b/g/n |
| Wireless frequency range   | 2.4 to 2.4835GHz          | 2.4 to 2.4835GHz          | 2.4 to 2.4835GHz<br>5.15 to 5.875GHz   | 2.4 to 2.4835GHz<br>5.15 to 5.875 GHz              | 2.4 to 2.4835GHz<br>5.15 to 5.875GHz    | 2.4 to 2.4835GHz<br>5.15 to 5.875GHz    | 2.4 to 2.4835GHz<br>5.15 to 5.875GHz    | 2.4 to 2.4835GHz<br>5.15 to 5.875 GHz   | 2.4 to 2.4835GHz<br>5.15 to 5.875GHz       | 2.4 to 2.4835GHz<br>5.15 to 5.875GHz    | 2.4 to 2.4835GHz<br>4.9 to 5.85 GHz     | 2.4 to 2.4835GHz<br>4.9 to 5.85 GHz     |
| Maximum wireless speed   | 300 Mbps - 2.4 GHz        | 300 Mbps - 2.4 GHz        | 867 Mbps - 5 GHz<br>300 Mbps - 2.4 GHz | 300 Mbps - 5 GHz<br>300 Mbps - 2.4 GHz             | 867 Mbps - 5 GHz<br>300 Mbps - 2.4 GHz  | 867 Mbps - 5 GHz<br>300 Mbps - 2.4 GHz  | 867 Mbps - 5 GHz<br>400 Mbps - 2.4 GHz  | 300 Mbps - 5 GHz<br>300 Mbps - 2.4 GHz  | 2 x 867 Mbps - 5 GHz<br>400 Mbps - 2.4 GHz | 1300 Mbps - 5 GHz<br>450 Mbps - 2.4 GHz | 867 Mbps - 5 GHz<br>300 Mbps - 2.4 GHz  | 867 Mbps - 5 GHz<br>300 Mbps - 2.4 GHz  |
| MIMO   | -                         | -                         | -                                      | -  | -                                       | -                                       | • (MU-MIMO)                             | -                                       | • (MU-MIMO)                                | -                                       | -                                       | -                                       |
| Antenna type   | Embedded omni-directional | Embedded omni-directional | Embedded omni-directional              | Embedded omni-directional with external connectors | Embedded omni-directional               | 4 detachable omni-directional           | Embedded omni-directional               | Embedded                                | Embedded omni-directional                  | Embedded omni-directional               | Embedded omni-directional               | 4 detachable omni-directional           |
| Smart Antennas   | -                         | -                         | -                                      | -  | -                                       | -                                       | -                                       | -                                       | -  | -                                       | -                                       | -                                       |
| Antenna gain   | 3 dBi                     | 4.7 dBi                   | 3 dBi for 2.4GHz<br>3 dBi for 5GHz     | 5 dBi for 2.4GHz<br>6 dBi for 5GHz                 | 4 dBi for 2.4GHz<br>4 dBi for 5GHz      | 3 dBi for 2.4GHz<br>4 dBi for 5GHz      | 4 dBi for 2.4GHz<br>6 dBi for 5GHz      | 3 dBi for 2.4GHz<br>8 dBi for 5GHz      | 3 dBi for 2.4GHz<br>4 dBi for 5GHz         | 5 dBi for 2.4GHz<br>6.5 dBi for 5GHz    | 5 dBi for 2.4GHz<br>7 dBi for 5GHz      | 5 dBi for 2.4GHz<br>7 dBi for 5GHz      |
| Power-over-Ethernet  | • (802.3af)               | • (802.3af)               | • (802.3af)                            | • (802.3af)  | • (802.3af)                             | • (802.3af)                             | • (802.3at)                             | • (proprietary)                         | • (802.3at)                                | • (802.3at)                             | • (802.3at)                             | • (802.3at)                             |
| Wired interface  | 1 x Fast Ethernet         | 1 x Gigabit Ethernet      | 1 x Gigabit Ethernet                   | 1 x Gigabit Ethernet                               | 1 x Gigabit Ethernet                    | 1 x Gigabit Ethernet                    | 2 x Gigabit Ethernet                    | 2 x Fast Ethernet                       | 2 x Gigabit Ethernet                       | 2 x Gigabit Ethernet                    | 2 x Gigabit Ethernet                    | 2 x Gigabit Ethernet                    |
| Console port   | -                         | -                         | -                                      | -  | -                                       | -                                       | -                                       | -                                       | -  | -                                       | -                                       | -                                       |
| Type of housing  | Plastic                   | Plastic                   | Plastic                                | Plastic  | Plastic                                 | Plastic                                 | Plastic                                 | Plastic                                 | Plastic                                    | Plastic                                 | Metal/plastic                           | Metal/plastic                           |
| Outdoor housing (IP rating)                                      | -                         | -                         | -                                      | -  | -                                       | -                                       | -                                       | • (IP55)                                | -  | -                                       | -                                       | • (IP67)                                |
| Plenum rated (UL-2043)   | -                         | -                         | -                                      | -  | -                                       | -                                       | -                                       | -                                       | -  | -                                       | -                                       | -                                       |
| Access point (AP)  | •                         | •                         | •                                      | •  | •                                       | •                                       | •                                       | •                                       | •  | •                                       | •                                       | •                                       |
| WDS with AP  | •                         | •                         | •                                      | •  | •                                       | •                                       | •                                       | •                                       | •  | •                                       | •                                       | •                                       |
| WDS / bridge   | •                         | •                         | •                                      | •  | •                                       | •                                       | •                                       | •                                       | •  | •                                       | •                                       | •                                       |
| Maximum number of SSIDs  | 16                        | 16                        | 16                                     | 32 (16 per radio)                                  | 32 (16 per radio)                       | 32 (16 per radio)                       | 32 (16 per radio)                       | 8 (4 per radio)                         | 32 (16 per radio)                          | 32 (16 per radio)                       | 32 (16 per radio)                       | 32 (16 per radio)                       |
| Auto channel selection   | •                         | •                         | •                                      | •  | •                                       | •                                       | •                                       | •                                       | •  | •                                       | •                                       | •                                       |
| WMM-PS/802.11e (U-APSD), AP load balance                         | •                         | •                         | •                                      | •  | •                                       | •                                       | •                                       | •                                       | •  | •                                       | •                                       | •                                       |
| Wi-Fi scheduler  | •                         | •                         | •                                      | •  | •                                       | •                                       | •                                       | •                                       | •  | •                                       | •                                       | •                                       |
| L2 roaming   | •                         | •                         | •                                      | •  | •                                       | •                                       | •                                       | •                                       | •  | •                                       | •                                       | •                                       |
| WEP 64/128bit, WPA/WPA2-Personal/Enterprise, TKIP/AES encryption | •                         | •                         | •                                      | •  | •                                       | •                                       | • (no WEP encryption)                   | • (no WEP encryption)                   | • (no WEP encryption)                      | •                                       | •                                       | • (no WEP encryption)                   |
| WPA/WPA2-PSK over WDS  | •                         | •                         | •                                      | •  | •                                       | •                                       | •                                       | •                                       | •  | •                                       | •                                       | •                                       |
| WLAN partition   | •                         | •                         | •                                      | •  | •                                       | •                                       | •                                       | •                                       | •  | •                                       | •                                       | •                                       |
| SSID broadcast disable   | •                         | •                         | •                                      | •  | •                                       | •                                       | •                                       | •                                       | •  | •                                       | •                                       | •                                       |
| Rogue AP detection, station isolation                            | •                         | •                         | •                                      | •  | •                                       | •                                       | •                                       | •                                       | •  | •                                       | •                                       | •                                       |
| MAC address filtering, 802.1X authentication                     | •                         | •                         | •                                      | •  | •                                       | •                                       | •                                       | •                                       | •  | •                                       | •                                       | •                                       |
| Rogue AP mitigation  | •                         | •                         | •                                      | •  | •                                       | •                                       | •                                       | •                                       | •  | •                                       | •                                       | •                                       |
| L2/L3 fast roaming   | •                         | •                         | •                                      | •  | •                                       | •                                       | •                                       | •                                       | •  | •                                       | •                                       | •                                       |
| WIDS/WIPS  | •                         | •                         | •                                      | •  | •                                       | •                                       | •                                       | •                                       | •  | •                                       | •                                       | •                                       |
| Auto-channel, auto-RF management                                 | •                         | •                         | •                                      | •  | •                                       | •                                       | •                                       | •                                       | •  | •                                       | •                                       | •                                       |
| AP load balance  | •                         | •                         | •                                      | •  | •                                       | •                                       | •                                       | •                                       | •  | •                                       | •                                       | •                                       |
| Captive portal   | •                         | •                         | •                                      | •  | •                                       | •                                       | •                                       | •                                       | •  | •                                       | •                                       | •                                       |
| View neighbour AP information                                    | •                         | •                         | •                                      | •  | •                                       | •                                       | •                                       | •                                       | •  | •                                       | •                                       | •                                       |
| Supported D-Link Wireless Controller                             | DWC-1000, DWC-2000        | DWC-1000, DWC-2000        | DWC-1000, DWC-2000                     | DWC-1000, DWC-2000                                 | DWC-1000, DWC-2000                      | DWC-1000, DWC-2000                      | DWC-1000, DWC-2000                      | DWC-1000, DWC-2000                      | DWC-1000, DWC-2000                         | DWC-1000, DWC-2000                      | DWC-1000, DWC-2000                      | DWC-1000, DWC-2000                      |
| WEB  | •                         | •                         | •                                      | •  | •                                       | •                                       | •                                       | •                                       | •  | •                                       | •                                       | •                                       |
| SNMP (v1, V2c, v3)   | •                         | •                         | •                                      | •  | •                                       | •                                       | •                                       | •                                       | •  | •                                       | •                                       | •                                       |
| CLI, Telnet, SSH   | •                         | •                         | •                                      | •  | •                                       | •                                       | •                                       | SSH only                                | •  | •                                       | •                                       | •                                       |
| Syslog   | •                         | •                         | •                                      | •  | •                                       | •                                       | •                                       | •                                       | •  | •                                       | •                                       | •                                       |
| Configuration group through AP Array                             | - (up to 8 APs)           | - (up to 8 APs)           | - (up to 8 APs)                        | - (up to 8 APs)                                    | - (up to 8 APs)                         | - (up to 8 APs)                         | - (up to 8 APs)                         | -                                       | -  | -                                       | - (up to 8 APs)                         | - (up to 8 APs)                         |

➤ Saves time and resources by configuring and managing multiple access points from a single managed wireless switch. This avoids repeated configurations and improves control of the wireless network.

BUSINESS WIRELESS

Software-Managed

802.11ac Wave 2



802.11ac Wave 2



802.11ac Wave 2



|                        | MODEL  | DAP-1665                               | DAP-2020                      | DAP-2230                  | DAP-2310                      | DAP-2360                      | DAP-2610                               | DAP-2660                               | DAP-2680                                | DAP-2695                                | DAP-3320                  | DAP-3662                               |             |
|------------------------|--|--|-------------------------------|---------------------------|-------------------------------|-------------------------------|--|--|---|---|---------------------------|--|-------------|
| HARDWARE               | Wireless standards                             | Simultaneous a/n/ac and b/g/n          | b/g/n                         | b/g/n                     | b/g/n                         | b/g/n                         | Simultaneous a/n/ac (Wave 2) and b/g/n | Simultaneous a/n/ac and b/g/n          | Simultaneous a/n/ac and b/g/n           | Simultaneous a/n/ac and b/g/n           | b/g/n                     | Simultaneous a/n/ac and b/g/n          |             |
|                        | Wireless frequency range                       | 2.4 to 2.4835 GHz<br>5.15 to 5.875 GHz | 2.4 to 2.4835 GHz             | 2.4 to 2.4835 GHz         | 2.4 to 2.4835 GHz             | 2.4 to 2.4835 GHz             | 2.4 to 2.4835GHz<br>5.15 to 5.875GHz   | 2.4 to 2.4835 GHz<br>5.15 to 5.875 GHz | 2.4 to 2.4835 GHz<br>5.15 to 5.875 GHz  | 2.4 to 2.4835 GHz<br>5.15 to 5.875 GHz  | 2.4 to 2.4835 GHz         | 2.4 to 2.4835 GHz<br>5.15 to 5.875 GHz |             |
|                        | Maximum wireless speed                         | 867 Mbps - 5 GHz<br>300 Mbps - 2.4 GHz | 300 Mbps - 2.4 GHz            | 300 Mbps - 2.4 GHz        | 300 Mbps - 2.4 GHz            | 300 Mbps - 2.4 GHz            | 867 Mbps - 5 GHz<br>400 Mbps - 2.4 GHz | 867 Mbps - 5 GHz<br>300 Mbps - 2.4 GHz | 1300 Mbps - 5 GHz<br>450 Mbps - 2.4 GHz | 1300 Mbps - 5 GHz<br>450 Mbps - 2.4 GHz | 300 Mbps - 2.4 GHz        | 867 Mbps - 5 GHz<br>300 Mbps - 2.4 GHz |             |
|                        | MIMO   | • (MU-MIMO)                            | •                             | •                         | •                             | •                             | • (MU-MIMO)                            | •                                      | • (MU-MIMO)                             | •                                       | •                         | •                                      |             |
|                        | Antenna type                                   | 2 detachable omni-directional          | 2 detachable omni-directional | Embedded omni-directional | 2 detachable omni-directional | 2 detachable omni-directional | 2 embedded omni-directional            | 4 embedded omni-directional            | 3 embedded omni-directional             | 6 detachable omni-directional           | Embedded omni-directional | 4 embedded omni-directional            |             |
|                        | Antenna gain                                   | 4 dBi for 2.4GHz<br>6 dBi for 5GHz     | 5 dBi                         | 3 dBi                     | 2 dBi                         | 5 dBi                         | 3 dBi for 2.4GHz<br>3 dBi for 5GHz     | 3 dBi for 2.4GHz<br>4 dBi for 5GHz     | 3.6 dBi for 2.4GHz<br>4.2 dBi for 5GHz  | 4 dBi for 2.4GHz<br>6 dBi for 5GHz      | 2 dBi                     | 6 dBi for 2.4GHz<br>6 dBi for 5GHz     |             |
|                        | Power-over-Ethernet (PoE)                      |  |                               | • (802.3af)               |                               | • (802.3af)                   | • (802.3af)                            | • (802.3af)                            | • (802.3af)                             | • (802.3af)                             | • (802.3af)               | • (802.3af)                            | • (802.3af) |
|                        | Wired interface                                | 1 x Gigabit                            | 1 x Fast Ethernet             | 1 x Fast Ethernet         | 1 x Gigabit                   | 1 x Gigabit                   | 1 x Gigabit                            | 1 x Gigabit                            | 1 x Gigabit                             | 2 x Gigabit                             | 1 x Fast Ethernet         | 2 x Gigabit                            |             |
|                        | Console port                                   |  |                               |                           |                               |                               |  |  |   | •                                       |                           |  |             |
|                        | Type of housing                                | Plastic                                | Plastic                       | Plastic                   | Plastic                       | Metal                         | Plastic                                | Plastic                                | Plastic                                 | Metal                                   | Plastic                   | Plastic                                |             |
|                        | Outdoor housing (IP rating)                    |  |                               |                           |                               |                               |  |  |   |   | • (IP55)                  | • (IP68)                               |             |
| Plenum rated (UL-2043) |  |  |                               |                           |                               | •                             |  |  | •                                       |   |                           |  |             |
| WIRELESS MODES         | Access point (AP)                              | •                                      | •                             | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
|                        | WDS with AP                                    | •                                      | •                             | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
|                        | WDS / bridge                                   | •                                      | •                             | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
|                        | Wireless client                                | •                                      | •                             | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
| WIRELESS FEATURES      | Maximum number of SSIDs                        | 7                                      | 1                             | 8                         | 8                             | 8                             | 16                                     | 16                                     | 16                                      | 16                                      | 8                         | 16                                     |             |
|                        | Auto channel selection                         | •                                      | •                             | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
|                        | WMM-PS/802.11e (U-APSD)                        | •                                      | •                             | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
|                        | Wi-Fi scheduler                                | •                                      | •                             | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
|                        | AP traffic load balance                        | •                                      | •                             | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
|                        | L2 roaming                                     | •                                      | •                             | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
| SECURITY               | WEP 64/128bit                                  | •                                      | •                             | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
|                        | WPA/WPA2-Personal/Enterprise                   | •                                      | •                             | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
|                        | TKIP/AES encryption                            | •                                      | •                             | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
|                        | WPA/WPA2-PSK over WDS                          | •                                      | •                             | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
|                        | WLAN partition                                 | •                                      | •                             | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
|                        | SSID broadcast disable                         | •                                      | •                             | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
|                        | Rogue AP detection                             | •                                      | •                             | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
|                        | Station isolation                              | •                                      | •                             | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
|                        | MAC address filtering                          | •                                      | •                             | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
|                        | 802.1X authentication                          | •                                      | •                             | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
| NETWORK                | DHCP server                                    | •                                      | •                             | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
|                        | 802.1D STP, IGMP snooping, ARP spoofing, SNTP  | • (no ARP spoofing prevention)         | IGMP snooping only            | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
|                        | IPv6   | •                                      | •                             | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
| MANAGEMENT             | WEB  | •                                      | •                             | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
|                        | SNMP (v1, v2c, v3)                             | •                                      | •                             | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
|                        | CLI, Telnet, SSH                               | •                                      | •                             | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
|                        | Syslog   | •                                      | •                             | •                         | •                             | •                             | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
|                        | Central management through AP Manager II       |  |                               | •                         | • (H/W ver. B1)               | • (H/W ver. B1)               | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
|                        | Central management through Central WiFiManager |  |                               | •                         | • (H/W ver. B1)               | • (H/W ver. B1)               | •                                      | •                                      | •                                       | •                                       | •                         | •                                      |             |
|                        | Configuration group sync through AP Array      |  |                               | • (up to 32 APs)          | • (up to 8 APs)               | • (up to 8 APs)               | • (up to 32 APs)                       | • (up to 32 APs)                       | • (up to 8 APs)                         | • (up to 8 APs)                         | • (up to 32 APs)          | • (up to 32 APs)                       |             |

➤ Enable small and medium-sized businesses to create a high performance wireless network with enhanced coverage, reliability and security, at a low total cost of ownership.

# Central WiFiManager CWM-100

## Scalable, Flexible, Centralised AP Management

Manage up to 1000 APs from a single location, complete with a multi-tenant structure that provides multi-layer management authority.

## Remote Access made easy

Access Central WiFiManager anytime, anywhere through the Internet by using a web browser on your PC, smartphone or tablet.

## Built for Business

Enterprise-level features such as bandwidth optimization, web authentication (captive portal) and RF optimization help satisfy the needs of the modern business environment.



## Main Features

### Web-Based Management

- Software controller that can be installed on a Microsoft Windows computer and accessed through any device with a web browser such as a smartphone, tablet or computer

### Multi-Site Management

- Multiple distributed sites can be managed from a central location
- The multi-tenant architecture provides multi-layer management authority

### NAT Pass-Through

- Controllers can manage wireless Access Points in remote locations even if they are behind a NAT device (router or firewall)

### Captive Portal and Access Control

- Supports local DB, external RADIUS, LDAP, POP3 and Wi-Fi passcode authentication
- Supports user access control

### Auto Radio Frequency (RF) Management

- Supports automatic channel and output power optimization

### Bandwidth Optimization

- Optimises wireless bandwidth

## Ideal for

### Enterprise

- Administrator can manage and monitor wireless network easily
- Enable captive portal and access control for employee and guest use
- Enable auto RF management, bandwidth optimization and band steering for better wireless usage



### Education

- The CWM-100 server can be implemented in each school or the education authority can manage multiple schools
- Enable captive portal and access control for teacher and student use
- Enable multi-cast rate control and IGMP snooping to improve multi-cast performance



### Chain Store

- CWM-100 can be implemented in the head office and then manage each store's wireless network
- Staff can generate Wi-Fi passcodes for guest use
- Enable captive portal, auto RF management, bandwidth optimization



### Managed Wireless Service Provider

- Pre-configure APs before dispatching to customers
- Provide remote management of customer's wireless network and network access
- Service provider can manage all access points whilst allowing individual customers to have certain management rights on their own network



VIDEO SURVEILLANCE



# IP Surveillance Solutions – we get security!

When it comes to end-to-end surveillance solutions, D-Link has you covered. From cameras and switches to wireless access points, network video recorders and software, we have everything you need to customise your business or personal security. And we make it really simple, too. With our exclusive Auto Surveillance VLAN technology, D-Link Smart Switches auto-discover IP cameras, create a virtual LAN and prioritise traffic. Simple.

## D-Link Video Surveillance options offer:

- 1 Extensive range of indoor and outdoor cameras
- 2 Flexible connectivity option with Wi-Fi and PoE support
- 3 Ability to see the whole picture, in more detail, with cameras supporting up to 5 megapixel resolution and innovative technology such as 180° Wide Eye.
- 4 End-to-end surveillance solutions, include network switches that support surveillance optimised user interface as well as automatic prioritization of surveillance traffic.



## The Complete Video Surveillance Solution



Video Surveillance Cameras



Video Management Software



Video Storage



Network Switches



Network Video Recorders



We have everything you need to customise your business or personal security.

VIDEO SURVEILLANCE

|   | Fixed Cameras Indoor  |   |   |  |   | Pan & Tilt Cameras Indoor   |   | Fixed Cameras Outdoor   |   |
|---|---|---|---|--|---|---|---|---|---|
|   |  |  |  |  |  |  |  |  |  |
| MODEL                                       | DCS-932L  | DCS-933L  | DCS-936L  | DCS-960L   | DCS-2530L   | DCS-5000L   | DCS-5030L   | DCS-2330L   | DCS-2670L   |
| Image Sensor                                | 1/5"VGA progressive scan CMOS   | 1/5"VGA progressive scan CMOS   | 1/4" 1 megapixel progressive scan CMOS  | 1/2.7" 1 megapixel progressive scan CMOS   | 1/3"2 megapixel progressive scan CMOS   | 1/5"VGA Progressive scan CMOS   | 1/4" 1 megapixel Progressive scan CMOS  | 1/4" 1 megapixel progressive scan CMOS  | 1/2.7" 2 megapixel progressive scan CMOS  |
| Maximum Video Resolution (Ratio)            | 640 x 480   | 640 x 480   | 1280 x 720 (16:9)   | 1280 x 720 (16:9)<br>800 x 600 (other)   | 1920 x 1080 (16:9)<br>1024 x 768 (other)  | 640 x 480   | 1280 x 720 (16:9)<br>640 x 480 (other)  | 1280 x 720 (16:9)<br>960 x 720 (other)  | 1920 x 1080 (16:9)  |
| Lens  | Fixed<br>5.01 mm, F2.8  | Fixed<br>3.15 mm, F2.8  | Fixed<br>2.45 mm, F2.4  | Fixed<br>1.72 mm, F2.0   | Fixed<br>1.7 mm, F2.5   | Fixed<br>2.2 mm, F2.4   | Fixed<br>2.38 mm, F2.2  | Fixed<br>3.45 mm, F2.0  | Fixed<br>1.5 mm, F2.0   |
| Minimum Illumination (Lux)                  | 1 Lux (colour)<br>0 Lux (B&W, IR-LED on)  | 1 Lux (colour)<br>0 Lux (B&W, IR-LED on)  | 2.6 Lux (colour)<br>0 Lux (B&W, IR-LED on)  | 0.5 Lux (colour)<br>0.1 Lux (B&W)<br>0 Lux (B&W, IR-LED on)                        | 0.5 Lux (colour)<br>0.1 Lux (B&W)<br>0 Lux (B&W, IR-LED on)                         | 1 Lux (colour)<br>0 Lux (B&W, IR-LED on)  | 1 Lux (colour)<br>0 Lux (B&W, IR-LED on)  | 1 Lux (colour)<br>0.5 Lux (B&W)<br>0 Lux (B&W, IR-LED on)                           | 0.5 Lux (colour)<br>0.1 Lux (B&W)<br>0 Lux (B&W, IR-LED on)                         |
| Infrared-Cut Removable Filter               | ●   | ●   | ●   | ●  | ●   | ●   | ●   | ●   | ●   |
| IR Built-in                                 | 5 m   | 5 m   | 5 m   | 5 m  | 5 m   | 8 m   | 5 m   | 5 m   | 10 m  |
| Angle Of View (H/V/D)                       | 45.3° / 34.5°   | 45.3° / 34.5°   | 112° / 77° / 120°   | 180° / 120° / 180°   | 180° / 86° / 180°   | 57° / 42°   | 94.36° / 59.3°  | 57.8° / 37.8°   | 180° / 86° / 180°   |
| Motorised Pan/Tilt                          |   |   |   |  |   | ●   | ●   |   |   |
| Pan Range                                   |   |   |   |  |   | +170° to -170°  | +170° to -170°  |   |   |
| Tilt Range                                  |   |   |   |  |   | +95° to -25°  | +90° to -20°  |   |   |
| Presets                                     |   |   |   |  |   | ●   | ●   |   |   |
| PIR (Passive Infrared) sensor               |   |   |   |  |   |   |   | ●   |   |
| Privacy Masks                               |   |   |   |  | 3 zones   |   |   | 3 zones   |   |
| Built-in Microphone                         | ●   | ●   | ●   | ●  | ●   | ●   | ●   | ●   | ●   |
| Wireless                                    | 802.11b/g/n   | 802.11b/g/n   | 802.11b/g/n   | 802.11b/g/n/ac   | 802.11b/g/n   | 802.11b/g/n   | 802.11b/g/n   | 802.11b/g/n   | 802.11b/g/n   |
| Wi-Fi Signal Locator                        |   |   |   |  | ●   |   |   |   |   |
| Built-in Wireless Extender (max. 5 clients) |   | ●   |   |  |   |   |   |   |   |
| Ethernet Port                               | ●   | ●   |   |  |   | ●   | ●   | ●   | ●   |
| Onboard Storage Card Slot                   |   |   | MicroSD SDHC (max. 32GB)  | MicroSD SDHC (16GB included, max. 32GB)  | MicroSD SDHC  |   | MicroSD SDHC (max. 32 GB)   | MicroSD SDHC (16GB included, max. 32GB)   | MicroSD SDXC (max. 128GB)   |
| Maximum Power Consumption                   | 2.84 W  | 4 W   | 4 W   | 4.8 W  | 4.5 W   | 4.8 W   | 5.56 W  | 5 W   | 5 W   |
| Web-browser interface                       | ●   | ●   | ●   | ●  | ●   | ●   | ●   | ●   | ●   |
| Video Format                                | MJPEG   | H.264 MJPEG   | H.264 MJPEG   | H.264 MJPEG  | H.264 MJPEG   | H.264 MJPEG   | H.264 MJPEG   | H.264 MJPEG   | H.264   |
| Multi-Stream                                |   | ●   | ●   | ●  | ●   | ●   | ●   | ●   | ●   |
| Mobile Stream                               | ●   |   | ●   | ●  | ●   |   | ●   | ●   | ●   |
| ONVIF Compliant                             |   |   |   |  |   |   |   | ●   | ●   |
| Digital Zoom                                | 4x  | 4x  | 4x  | 8x   | 10x   | 4x  | 4x  | 10x   | 10x   |
| Motion Detection                            | ●   | ●   | ●   | ●  | ●   | ●   | ●   | ●   | ●   |
| Sound Detection                             | ●   | ●   | ●   | ●  | ●   | ●   | ●   | ●   | ●   |
| E-Mail Notification                         | ●   | ●   | ●   | ●  | ●   | ●   | ●   | ●   | ●   |
| with Snapshot                               | ●   | ●   | ●   | ●  | ●   | ●   | ●   | ●   | ●   |
| with Video                                  |   | ●   | ●   | ●  | ●   | ●   | ●   | ●   | ●   |
| Event Recording to SD card                  |   |   | ●   | ●  | ●   |   | ●   | ●   | ●   |
| Event Recording to NAS                      |   |   |   |  |   |   |   | ●   | ●   |
| IPv6 Support                                |   |   | ●   |  | ●   |   |   | ●   | ●   |

HARDWARE FEATURES

SOFTWARE FEATURES

VIDEO SURVEILLANCE

Fixed Cameras

Outdoor Bullet

Outdoor Dome



| MODEL                            | DCS-7110                                    | DCS-7513  | DCS-7517                                     | DCS-6517  |
|----------------------------------|---|---|--|---|
| Image Sensor                     | 1/2.7" 2 megapixel progressive scan CMOS    | 1/2.8" 2 megapixel WDR progressive scan CMOS    | 1/2.9" 5 megapixel WDR progressive scan CMOS | 1/2.9" 5 megapixel WDR progressive scan CMOS                  |
| Maximum Video Resolution (Ratio) | 1920 x 1080 (16:9)<br>1280 x 800 (other)    | 1920 x 1080 (16:9)<br>1440 x 1080 (other)       | 1920 x 1080 (16:9)<br>2592 x 1944 (other)    | 1920 x 1080 (16:9)<br>2560 x 1920 (other)                     |
| Lens                             | Fixed<br>4 mm, F1.5                         | Motorised P-Iris varifocal<br>2.8 ~ 12 mm, F1.4 | Motorised varifocal<br>2.8 ~ 12 mm, F1.4     | Varifocal<br>2.8 ~ 12 mm, F1.4                                |
| Minimum Illumination (Lux)       | 0.12 Lux (colour)<br>0 Lux (B&W, IR-LED on) | 0.1 Lux (colour)<br>0 Lux (B&W, IR-LED on)      | 0.5 Lux (colour)<br>0 Lux (B&W, IR-LED on)   | 0.5 Lux (colour),<br>0 Lux (B&W, IR-LED on)                   |
| Infrared-Cut Removable Filter    | ●   | ●   | ●  | ●   |
| IR Built-in                      | 15 m  | 30 m Smart IR                                   | 30 m Smart IR                                | 20 m Smart IR   |
| Wide Dynamic Range (WDR)         |   | ●   | ●  | ●   |
| Angle Of View (H/V/D)            | 77.4° / 45.1°                               | 108°~33° / 57°~ 19°                             | 75°~24° / 55°~18° / 96°~30°                  | 75° ~ 24° / 55° ~ 18° / 96° ~ 30°                             |
| Gimbal                           |   |   |  | 3-Axis<br>Vertical: 73° / Horizontal<br>375° / Rotational 90° |
| Optical Zoom                     |   | 3x  | 4x   | 4x  |
| Privacy Masks                    | 5 zones                                     | 3 zones   | 5 zones                                      | 5 zones   |
| Analogue Output                  |   | BNC (with optional DCS-11)                      | BNC (with optional DCS-11)                   | BNC (with optional DCS-11)                                    |
| Vandal proof                     |   |   |  | IK10  |
| 2-Way Audio                      |   | ● (with optional DCS-11)                        | ● (with optional DCS-11)                     | ● (with optional DCS-11)                                      |
| External Microphone Input        |   | ● (with optional DCS-11)                        | ● (with optional DCS-11)                     | ● (with optional DCS-11)                                      |
| External Speaker Output          |   | ● (with optional DCS-11)                        | ● (with optional DCS-11)                     | ● (with optional DCS-11)                                      |
| Ethernet Port                    | ●   | ●   | ●  | ●   |
| PoE                              | ● (802.3af)                                 | ● (802.3af)                                     | ● (802.3af)                                  | ● (802.3af)   |
| Digital Input/Output (DI/DO)     | 1/1   | 1/1 (with optional DCS-11)                      | 1/1 (with optional DCS-11)                   | 1/1 (with optional DCS-11)                                    |
| Onboard Storage Card Slot        |   | SD SDHC (max. 128 GB)                           | MicroSD SDHC (max. 128 GB)                   | MicroSD SDHC (max. 128 GB)                                    |
| Maximum Power Consumption        | 6.3 W                                       | 10 W  | 10 W   | 10 W  |
| Video Format                     | H.264<br>MPEG-4<br>MJPEG                    | H.264<br>MJPEG                                  | H.265<br>H.264<br>MJPEG                      | H.265<br>H.264<br>MJPEG                                       |
| Multi-Stream                     | ●   | ●   | ●  | ●   |
| Mobile Stream                    | ●   | ●   | ●  | ●   |
| ONVIF Compliant                  | ●   | ●   | ●  | ●   |
| Digital Zoom                     | 4x  | 10x   | 10x  | 10x   |
| Motion Detection                 | ●   | ●   | ●  | ●   |
| Tamper Detection                 | ●   | ●   | ●  | ●   |
| E-Mail Notification              | ●   | ●   | ●  | ●   |
| Event Recording to SD Card       | ●   | ●   | ●  | ●   |
| Event Recording to NAS           | ●   | ●   | ●  | ●   |
| IPv6 Support                     | ●   | ●   | ●  | ●   |

HARDWARE FEATURES

SOFTWARE FEATURES

NVR



| MODEL                               | DNR-312L   | DNR-322L    | DNR-2020-04P                  |
|-------------------------------------|------------|-------------|-------------------------------|
| Simultaneous Recording              | 9 channels | 16 channels | 16 channels                   |
| Simultaneous Playback               | 9 channel  | 1 channel   | 16 channels                   |
| Local Display                       | HDMI       |             | VGA, HDMI                     |
| Front Panel Controls                |            |             |                               |
| PoE Switch Ports                    |            |             | 4 x Fast Ethernet 802.3af PoE |
| Uplink Ports                        |            |             | 1 x Gigabit Ethernet          |
| Live View                           | ●          | ●           | ●                             |
| UPS Support via USB                 | ●          | ●           | ●                             |
| Remote Backup                       | ●          |             | ●                             |
| RAID Support                        |            | ●           | ●                             |
| E-Mail Notification                 | ●          | ●           | ●                             |
| Smart Search                        |            |             | ●                             |
| Manual/Continuous Recording         | ●          | ●           | ●                             |
| Scheduled/Triggered Event Recording | ●          | ●           | ●                             |
| 3rd party Camera Support            | ●          | ●           | ●                             |
| Bundled Cameras                     |            |             |                               |
| mydlink Support                     | ●          | ●           |                               |

FEATURES

DNR-2020-04P  
JustConnect 16-Channel PoE  
Network Video Recorder



**1 Concurrent Recording and Viewing**  
Record and view real-time video streams from up to 16 cameras on a local network or remotely over the Internet.

**2 Easy Setup and Configuration**  
Embedded software enables easy setup via a connected monitor and four PoE ports eliminate the need for electrical wiring when adding cameras.

**3 No Computer Needed**  
Standalone solution with two integrated hard disc bays, USB mouse/keyboard support and HDMI/VGA monitor support.

# D-ViewCam™

D-Link has its own Video Management Software (VMS), known as D-ViewCam, which is designed to run on industry-standard Windows platforms



## D-ViewCam / DCS-100

Bundled free with D-Link network cameras D-ViewCam enables users to centrally manage multiple cameras for home or businesses.

Supporting up to 32 network cameras and up to 64 users, D-ViewCam is compatible with all current D-Link network cameras and video servers, offers digital monitoring and recording with a wide array of features including simultaneous video recording, playback and live view.

D-ViewCam offers scheduled, motion and manual recording. Recorded files can be searched by video type and selected files can be played, edited and converted into AVI or ASF files. The e-map mode allows users to arrange a map with camera locations and orientation, while additional features such as auto-patrol, rotate, zoom, and focus provide optimal control over video surveillance.

## D-ViewCam Plus / DCS-250

The DCS-250 D-ViewCam Plus is comprehensive network camera surveillance software designed for medium-to-large business as well as enterprise users. It centrally manages up to 64 network cameras and is compatible with current D-Link network cameras, video servers and an extensive range of third-party network cameras. This software offers digital monitoring and recording of video, audio, and events for use in various security applications. Furthermore, this easy-to-use surveillance software provides users with a wide array of features, including multiple-channel playback, high-resolution monitoring and live view.

Powerful optional Intelligent Video Surveillance (IVS) packages are available for D-ViewCam Plus, including Presence/Tripwire and Counting IVS packages. The Presence/Tripwire Package (DCS-250-PRE-001-LIC) allows users to set up to 40 zones or lines which detect when an object is inside or crossing a zone or a line, as well as camera-shake elimination. The Counting Package (DCS-250-COU-001-LIC), allows objects such as people or vehicles to be counted. Both packages provide tamper detection to give users extra peace of mind.

### D-ViewCam Plus IVS Presence License

This license enables video analytics functions to detect when an object is inside or is crossing a zone or a line.

**Effective video analytics**  
Low cost and affordable.  
40 detection zones or lines

**Precise detection algorithm**  
Up to 95% accuracy.  
No false alarms from falling leaves, rain, snow or camera noise

**Save recording space**  
Recording function triggers only on event, with high-precision detection algorithm which translates to significant savings in storage space

**Stabiliser**  
In environments where camera stability is an issue, this feature compensates for any movement to provide a clear view

**Tamper Detection**  
Detects any event that significantly changes the field of view of the camera, such as loss of focus if the camera has been covered up.

### D-ViewCam Plus IVS Counting License

This license enables video analytics functions such as people and vehicle counting, camera stability and tamper detection for the D-ViewCam Plus for one camera. The engine can track, classify, and analyse the behaviour of individuals or a group of objects over long distances to greatly improve parameter security and monitoring efficiency.

- Instant alarm notifications
- Intelligent event search with video
- Intuitive 3D grid calibration
- 40 detection zones and tracks up to 100 targets per camera
- Self-learning algorithm automatically adapts to environment changes

### People Counting

- Includes a bi-directional line-crossing filter, suitable for counting people in busy doorways and entrances

### Vehicle Counting

- Captures statistics on vehicle flow
- Provides an estimated speed of the vehicle

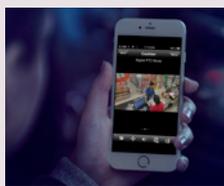
### Tamper Detection

Detects any event that significantly changes the field of view of the camera, such as focus loss or camera being covered up.

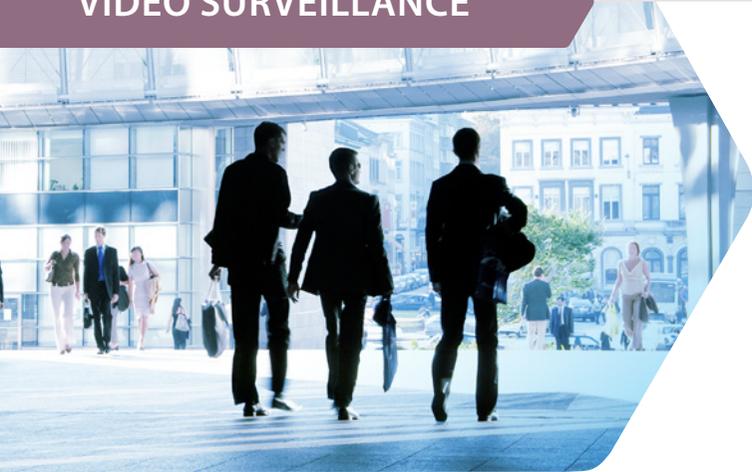


## D-ViewCam Mobile

Keep an eye on your surveillance cameras anytime, anywhere with D-Link's D-ViewCam Mobile app. The D-ViewCam Mobile app makes it easy to check on your home or business no matter where you are, no matter what time of day it is.



## VIDEO SURVEILLANCE



# It's time for vigilance

The Vigilance Camera range offers professional, full-featured, high-definition video surveillance that is easy to install and highly affordable. The range consist of cameras designed specifically to meet different surveillance and environmental requirements, from standalone surveillance solutions that allow you to record video without additional software or equipment, to weather-/vandal-proof cameras for harsh environments.



## The Vigilance Camera range from D-Link offers a wide variety of features including:

### HD 720p and Full HD 1080p

High-definition images allow you to see and capture detailed images that can show revealing characteristics, such as clothing brands or prominent tattoos.

### Long-Range Night Vision

Integrated infrared illuminators allow the camera to see up to 30m, even in complete darkness.

### Wide Dynamic Range

Effective in contrasting light conditions, giving clear footage from shadowed areas as well as brightly lit spaces.

### 3D Noise Reduction

Allows the camera to capture clearer videos with less noise under poor lighting conditions.

Ideal when facial or object identification is required.

### Low-Light Capability

High-sensitivity camera sensor allows the camera to see details in colour, even in very low light conditions.

### Weather-Proof

IP-66 housing designed for use in harsh environments. Specifically built to withstand adverse weather conditions.

### Vandal-Proof

Toughened metal, industry-certified IK-10 housing specifically built to withstand sudden high impact.



### Power over Ethernet

Power and network connectivity through a single network cable simplifies installation as well as deployment cost. More flexibility where the camera can be deployed as it can be positioned in areas where no power outlet is nearby.

### Motion Detection

Able to detect motion, thus triggering recording to on-board or off-board storage space (eg MicroSD card or Network Video Recorder).

## Ideal for protecting:

**Offices & Shops**  
**Public Spaces**  
**Warehouses**  
**Factories**  
**Hospitals**  
**Schools**  
**Health Centres**  
**Shopping Malls**  
**Business Centres**  
**Train Stations**



VIDEO SURVEILLANCE



| MODEL                            | DCS-4602EV  | DCS-4603   | DCS-4622   | DCS-4633EV   | DCS-4701E   | DCS-4703E   | DCS-4802E  |
|----------------------------------|---|--|--|--|---|---|--|
| Model Name                       | Vigilance Full HD Outdoor PoE Vandal-Proof Dome Camera      | Vigilance Full HD PoE Dome Camera                              | Vigilance Full HD Panoramic PoE Camera                       | 3-Megapixel Outdoor PoE Vandal-Proof Dome Camera               | Vigilance HD Outdoor PoE Mini Bullet Camera                 | Vigilance Full HD Outdoor PoE Mini Bullet Camera            | Vigilance Full HD Outdoor PoE Mini Dome Camera                 |
| Indoor/Outdoor                   | Indoor and Outdoor IP-66                                    | Indoor only  | Indoor only  | Indoor and Outdoor IP-66                                       | Indoor and Outdoor IP-66                                    | Indoor and Outdoor IP-66                                    | Indoor and Outdoor IP-66                                       |
| Vandal-Proof                     | ● (IK-10)   |  |  | ● (IK-10)  |   |   |  |
| Image Sensor                     | 1/3" 2 megapixel progressive scan CMOS                      | 1/3" 3 megapixel progressive scan CMOS                         | 1/3.2" 3 megapixel progressive scan CMOS                     | 1/2.8" 3 megapixel progressive scan CMOS                       | 1/3" 1 megapixel progressive scan CMOS                      | 1/3" 3 megapixel progressive scan CMOS                      | 1/3" 2 megapixel progressive scan CMOS                         |
| Maximum Video Resolution (Ratio) | 1920 x 1080 (16:9)<br>1440 x 1080 (other)                   | 1920 x 1080 (16:9)<br>2048 x 1536 (other)                      | 1920 x 1536 (other)  | 1920 x 1080 (16:9)<br>2048 x 1536 (other)                      | 1280 x 720 (16:9)<br>960 x 720 (other)                      | 1920 x 1080 (16:9)<br>2048 x 1536 (other)                   | 1920 x 1080 (16:9)<br>1440 x 1080 (other)                      |
| Maximum Frame Rate               | Up to 30 fps  | Up to 30 fps   | Up to 25 fps   | Up to 30 fps   | Up to 30 fps  | Up to 30 fps  | Up to 30 fps   |
| Lens                             | Fixed 2.8 mm, F1.8  | Fixed 2.8 mm, F1.8   | Fixed 1.1 mm, F20  | Fixed 2.8 mm, F1.85  | Fixed 2.8 mm, F1.8  | Fixed 3.6 mm, F1.8  | Fixed 2.8 mm, F1.8   |
| Minimum Illumination (Lux)       | 1.0 lux (colour)<br>0.5 lux (B/W)<br>0 Lux (B&W, IR-LED on) | 1.0 lux (colour)<br>0.5 lux (B/W)<br>0 Lux (B&W, IR-LED on)    | 0.5 lux (colour)<br>0.25 lux (B/W)<br>0 Lux (B&W, IR-LED on) | 0.01 lux (colour)<br>0.008 lux (B/W)<br>0 Lux (B&W, IR-LED on) | 0.2 lux (colour)<br>0.1 lux (B/W)<br>0 Lux (B&W, IR-LED on) | 0.2 lux (colour)<br>0.1 lux (B/W)<br>0 Lux (B&W, IR-LED on) | 1.0 lux (colour)<br>0.5 lux (B/W)<br>0 Lux (B&W, IR-LED on)    |
| Infrared-Cut Removable Filter    | ●   | ●  | ●  | ●  | ●   | ●   | ●  |
| IR Built-in                      | 20 m  | 10 m   | 8 m  | 20 m Smart IR  | 30 m  | 20 m  | 30 m   |
| Wide Dynamic Range (WDR)         | ●   | ●  | ●  | ●  | ●   | ●   | ●  |
| 3D Noise Reduction               | ●   | ●  | ●  | ●  | ●   | ●   | ●  |
| LowLight+                        |   |  |  |  | ●   | ●   |  |
| Angle Of View (H/V/D)            | 96° / 54° / 108°  | 84° / 48° / 97°  | 180° / 180° / 180°   | 105° / 80° / 137°  | 96° / 54° / 108°  | 70° / 40° / 80°   | 96° / 54° / 108°   |
| Gimbal                           | 2-Axis<br>Vertical: 60° / Horizontal 350°                   | 3-Axis<br>Vertical: 60° / Horizontal 340° /<br>Rotational 340° | 2-Axis<br>Vertical: 60° / Horizontal 340°                    | 2-Axis<br>Vertical: 60° / Horizontal 350°                      |   |   | 3-Axis<br>Vertical: 60° / Horizontal 355° /<br>Rotational 355° |
| Privacy Masks                    | 3 zones   | 3 zones  |  | 3 zones  | 3 zones   | 3 zones   | 3 zones  |
| Audio Codec                      |   |  | G.711, AAC   |  |   |   |  |
| 2-Way Audio                      |   |  | ●  |  |   |   |  |
| Built-in Microphone              |   |  | ●  |  |   |   |  |
| Built-in Speaker                 |   |  | ●  |  |   |   |  |
| Ethernet Port                    | ●   | ●  | ●  | ●  | ●   | ●   | ●  |
| 802.3af PoE                      | ●   | ●  | ●  | ●  | ●   | ●   | ●  |
| Onboard Storage Card Slot        |   |  | MicroSD SDXC (max. 128 GB)                                   | MicroSD SDXC (max. 128 GB)                                     |   |   |  |
| Maximum Power Consumption        | 5.5 W   | 5.6 W  | 4.6 W  | 6 W  | 4.7 W   | 6.4 W   | 5.2 W  |
| Video Format                     | H.264<br>MJPEG  | H.264<br>MJPEG   | H.264<br>MJPEG   | H.265<br>H.264<br>MJPEG  | H.264<br>MJPEG  | H.264<br>MJPEG  | H.264<br>MJPEG   |
| Multi-Stream                     | ●   | ●  | ●  | ●  | ●   | ●   | ●  |
| ONVIF                            | ●   | ●  | ●  | ●  | ●   | ●   | ●  |
| Digital Zoom                     | 10x   | 10x  | 10x  | 10x  | 10x   | 10x   | 10x  |
| Motion Detection                 | ●   | ●  | ●  | ●  | ●   | ●   | ●  |
| E-Mail Notification              | ●   | ●  | ●  | ●  | ●   | ●   | ●  |
| Event Recording to SD Card       |   |  | ●  | ●  |   |   |  |
| Event Recording to NAS           | ●   | ●  | ●  | ●  | ●   | ●   | ●  |
| IPv6 Support                     | ●   | ●  | ●  | ●  | ●   | ●   | ●  |
| Compatible Mount Accessories     | DCS-37-1, DCS-37-2, DCS-37-3                                | DCS-37-1, DCS-37-2, DCS-37-3                                   |  | DCS-37-1, DCS-37-2, DCS-37-3                                   |   |   | DCS-37-1, DCS-37-2, DCS-37-3                                   |

HARDWARE FEATURES

SOFTWARE FEATURES

## VIDEO SURVEILLANCE

# Gigabit Smart Managed Surveillance Switches

D-Links range of switches specifically designed and engineered for video surveillance offer both PoE and ONVIF support for the ultimate all-in-one solution

## DGS-1100 / 1210 Series

The DGS-1100/1210 Series Gigabit Smart Managed Switches are the world's first PoE switches with ONVIF support specifically designed for Video IP Surveillance applications.

This allows it to recognise ONVIF devices and integrate seamlessly with your surveillance network. With the surveillance-optimised web interface, you can access real-time information on your surveillance network such as surveillance topology and device status, as well as PoE power and network bandwidth utilization. Auto Surveillance VLAN (ASV) function ensures the quality of real-time video for monitoring and control without compromising the transmission of conventional network data.

The DGS-1100/1210 Series switches include support for IEEE 802.3af/at and higher power budgets, allowing more PoE devices to be powered by the switch and for devices to be installed in remote locations without immediate access to power outlets. They offer high PoE power budgets – up to 370W – suitable for powering multiple network cameras.



Auto Surveillance function ensures the quality of real-time video for monitoring and control without compromise



## D-LINK ASSIST



## Peace-of-Mind Networking

Your network is the backbone of your business. Keeping it running is essential, even if the unexpected happens. D-Link Assist is a round-the-clock rapid-response technical support service that replaces faulty equipment quickly and efficiently, maximising your uptime and giving you the confidence that instant support is only a phone call away.

### Comprehensive cover available across all D-Link business products

- D-Link Assist can be purchased together with any D-Link business product. So whether you're buying Switches, Wireless Access Points, Security or Video Surveillance equipment from D-Link, your peace of mind is guaranteed.
- D-Link Assist also offers installation and configuration services to get your new hardware working quickly and correctly.
- As standard, when you purchase a D-Link product we will exchange it should something go wrong

### Peace of mind from our highly experienced support services

- Plug into our network of highly trained specialists with in-depth knowledge of your D-Link equipment .
- We'll act quickly to diagnose your problem and take instant corrective action.



## D-Link Assist

Rapid Response Support



### Gold

#### Same Business Day (24 x 7 x 4) Swap Service

D-Link Assist Gold is perfect for mission-critical environments where maximum uptime is a high priority. It guarantees four-hour around-the-clock response. Cover applies 24/7 for every day of the year including holidays.



### Silver

#### Same Business Day (9 x 5 x 4) Swap Service

D-Link Assist Silver is designed for 'high availability' businesses that require rapid response within regular working hours. It provides a four-hour response service Monday to Friday from 8 am to 5 pm, excluding holidays.



### Bronze

#### Next-Business-Day Swap Service

D-Link Assist Bronze is a highly cost-effective support solution for less critical environments. Response is guaranteed within eight business hours Monday to Friday from 8 am to 5 pm, excluding holidays.



### Extended Warranty

#### 3-Year Warranty Extension

For extra assurance, D-Link Assist gives you the option of extending warranties on any D-Link business products you purchase by three years.

mydlink



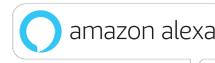
# The smart way to protect and control your home

Connect your home to a growing number of smart devices that work with the **mydlink** app on your phone or tablet. Keep an eye on your home while you're away, save money by controlling your power budget, set your lights to turn on when it gets dark – with smart home technology, almost anything is possible...

- 1 Smart scheduling and automation
- 2 Cloud recording allows you to record video clips to off-site cloud storage
- 3 One-tap feature allows you to easily control multiple devices and bundle multiple actions into scenarios
- 4 Works with Amazon Alexa and Google Assistant voice control
- 5 Compatible with IFTTT (If This, Then That)
- 6 Quick and easy setup with integrated Bluetooth



| MODEL                     | DCS-8000LH        | DCS-8010LH                          | DCS-8100LH                          | DCS-8300LH                          | DCS-8525LH                          |
|---------------------------|-------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Indoor/Outdoor            | Indoor            | Indoor                              | Indoor                              | Indoor                              | Indoor                              |
| Maximum Video Resolution  | 720p              | 720p                                | 720p                                | 1080p                               | 1080p                               |
| Night vision              | •                 | •                                   | •                                   | •                                   | •                                   |
| Range                     | Up to 5 m         | Up to 5 m                           | 5 m                                 | 5 m                                 | 5 m                                 |
| Field Of View (H/V/D)     | 112° / 54° / 120° | 96° / 53° / 120°                    | 180° / 80° / 180°                   | 137° / 71° / 167°                   | 98° / 52° / 114°                    |
| Wide Eye Panoramic View   |                   |                                     | •                                   |                                     |                                     |
| Motorised Pan/Tilt        |                   |                                     |                                     |                                     | •                                   |
| Pan Range                 |                   |                                     |                                     |                                     | -170° to +170°                      |
| Tilt Range                |                   |                                     |                                     |                                     | -20° / +90°                         |
| Preset positions          |                   |                                     |                                     |                                     | •                                   |
| 2-Way Audio               |                   |                                     | •                                   | •                                   | •                                   |
| Built-in Microphone       | •                 | •                                   | •                                   | •                                   | •                                   |
| Built-in Speaker          |                   |                                     | •                                   | •                                   | •                                   |
| Wireless                  | 802.11g/n         | 802.11g/n                           | 802.11g/n                           | 802.11b/g/n/ac                      | 802.11b/g/n                         |
| Bluetooth Setup           | •                 | •                                   | •                                   | •                                   |                                     |
| Ethernet Port             |                   |                                     |                                     |                                     | •                                   |
| Onboard Storage Card Slot |                   | microSD/SDHC/SDXC cards up to v3.01 |
| App Support               | iOS & Android     | iOS & Android                       | iOS & Android                       | iOS & Android                       | iOS & Android                       |
| Video Recording           | Cloud / App       | Cloud / microSD / App               | Cloud / microSD / App               | Cloud / microSD / App               | Cloud / microSD / App               |
| Amazon Alexa Support      | •                 | •                                   | •                                   | •                                   | •                                   |
| Google Assistant Support  | •                 | •                                   | •                                   | •                                   | •                                   |
| IFTTT Support             | •                 | •                                   | •                                   | •                                   | •                                   |
| Digital Zoom              | •                 | •                                   | •                                   | •                                   | •                                   |
| Motion Detection          | •                 | •                                   | •                                   | •                                   | •                                   |
| Sound Detection           | •                 | •                                   | •                                   | •                                   | •                                   |



mydlink

Your home, only smarter

### DSP-W115

The mydlink Wi-Fi Smart Plug is a versatile and easy-to-use device that allows you to control an electrical appliance from your smartphone or tablet, wherever you are. You can set automatic schedules to turn on or off appliances such as lamps, heaters or hi-fi at specific times and days of the week. It works with mydlink Smart Home devices<sup>1</sup>, Amazon Alexa, the Google Assistant and IFTTT, allowing you to voice-control and set up home automation.



#### Automatic Scheduling

Turn on/off your home appliance based on time/date schedules



#### Access from Anywhere

Control from anywhere with the mydlink app

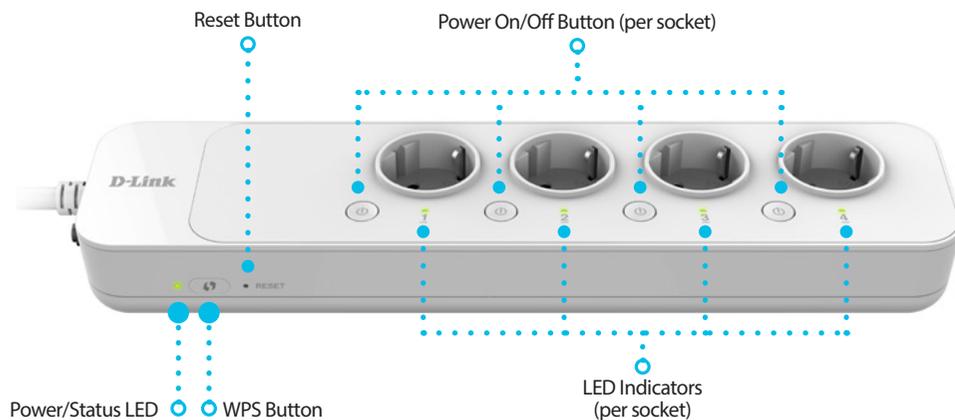


#### On & Off Control

Turn your home appliance on and off from your phone

### DSP-W245\*

The mydlink Wi-Fi Smart Power Strip is a versatile and easy-to-use device that allows you to monitor and control up to four electrical appliances from wherever you are. Scheduling provides a helpful way to save power while you're at work or asleep, and the mydlink™ app provides an easy way to check your power usage, set up alerts, or manually power a device on or off. It works with mydlink Smart Home devices<sup>1</sup>, Amazon Alexa, the Google Assistant and IFTTT, allowing you to voice control and set up home automation.



#### Set Schedules

Schedule power on/off for your appliance



#### Energy Monitoring

Energy usage monitor shows power usage for each outlet



#### Surge and Overheat Protection

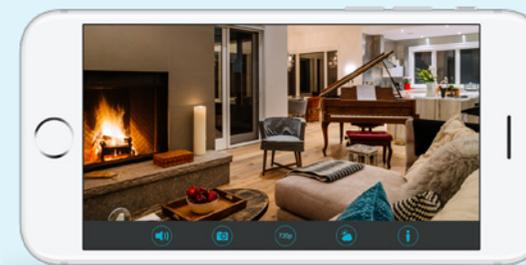
Thermal detection prevents device overheating



### FREE mydlink app with Cloud Recording

The mydlink app takes you to the heart of your smart home, so you can easily control, monitor, and automate every smart home device, wherever you are, whenever you connect to the app.

Control lights around your home without reaching for the switch. Save your home camera recordings straight to the cloud and enjoy your best memories. Turn everything off when you head to bed – mydlink takes the legwork out of your chores so you can spend time doing what you love.



\* Not available for UK and Ireland

<sup>1</sup> Please visit [www.dlink.com](http://www.dlink.com) for more information on mydlink products that support Smart Home functionality.

COVR



## Covr your whole home in seamless Wi-Fi

Introducing Covr, the seamless Wi-Fi solution that's the perfect fit for modern living. It blankets every square inch of your home with high-speed AC1200 Dual-Band Wi-Fi so you have a signal everywhere, wherever you are. With Covr, you enjoy Wi-Fi that's stable, consistent, and truly seamless.



### High Performance

With 1,200 Mbps Wi-Fi, MU-MIMO technologies, and 2x3 (Rx) antennae at its core, Covr provides enough speed to support multiple devices undertaking data-intensive tasks simultaneously no matter where they are in the house.



### More Coverage

Covr's three discreet Covr Points cover up to 465 sq m – enough seamless Wi-Fi coverage for a wide variety of housing sizes and configurations. Wi-Fi dead zones are now a thing of the past.



### One Seamless Network

With Covr, there's just one wireless network name (SSID) for your entire home, no matter where you are, so as you move through the house, your device locks on to the strongest signal.

COVR



Whole Home Wi-Fi System

Wireless AC



Wireless AC



Wireless AC



Wireless AC



| MODEL    |  | COVR-C1202*                        | COVR-C1203                         | COVR-P2502*                        | COVR-2202                              |
|----------|--|------------------------------------|------------------------------------|------------------------------------|--|
| GENERAL  | Coverage aread   | Up to 325 m <sup>2</sup>           | Up to 465 m <sup>2</sup>           | Up to 450 m <sup>2</sup>           | Up to 550 m <sup>2</sup>               |
|          | Number of units in pack                                    | 2                                  | 3                                  | 2                                  | 2                                      |
| WIRELESS | Wireless standard  | Wave 2 Wireless AC1200             | Wave 2 Wireless AC1200             | Wave 2 Wireless AC1200             | Wave 2 Wireless AC2200                 |
|          | Wireless speed   | 300 Mbps 2.4 GHz<br>867 Mbps 5 GHz | 300 Mbps 2.4 GHz<br>867 Mbps 5 GHz | 300 Mbps 2.4 GHz<br>867 Mbps 5 GHz | 400 Mbps 2.4 GHz<br>867 Mbps 5 GHz x 2 |
|          | Dual-band  | •                                  | •                                  | •                                  |  |
|          | Tri-band   |                                    |                                    |                                    | •                                      |
|          | Smart Steering (automatic selection of optimal Wi-Fi band) | •                                  | •                                  | •                                  | •                                      |
|          | Smart Roaming  | •                                  | •                                  | •                                  | •                                      |
|          | Multi-User MIMO (MU-MIMO)                                  | •                                  | •                                  | •                                  | •                                      |
| BACKHAUL | Dedicated Backhaul   |                                    |                                    | •                                  | •                                      |
|          | Backhaul technology  |                                    |                                    | Powerline AV2 @ 1300 Mbps          | Wireless AC 5 GHz @ 867 Mbps           |
| WIRE     | LAN speed  | Gigabit Ethernet                   | Gigabit Ethernet                   | Gigabit Ethernet                   | Gigabit Ethernet                       |
|          | Number of LAN ports per unit                               | 2                                  | 2                                  | 3                                  | 2                                      |

**MU-MIMO Technology**

Like having multiple routers in your home, Multi-User Multi-In-Multi-Out (MU-MIMO) sends data to multiple devices simultaneously to increase speed and efficiency. Your laptop, tablet, media player and game console can all receive data at the same time, with no need to wait in turn. You get more out of your home Wi-Fi network than ever before.



**Wi-Fi that Meets Your Needs**

Whether it's HD video streaming, video chats, or smart home devices, Covr responds to the need for speed in the modern home as consumers perform more data-intensive tasks on their Wi-Fi connected devices.



**Seamless Wi-Fi in Every Corner**

Unlike other whole home Wi-Fi systems that use only two receiving antennas, Covr has three to detect and receive more data from all your devices. You enjoy seamless connectivity no matter where you are in the house.

\* Not available for UK and Ireland

## CONSUMER WIRELESS

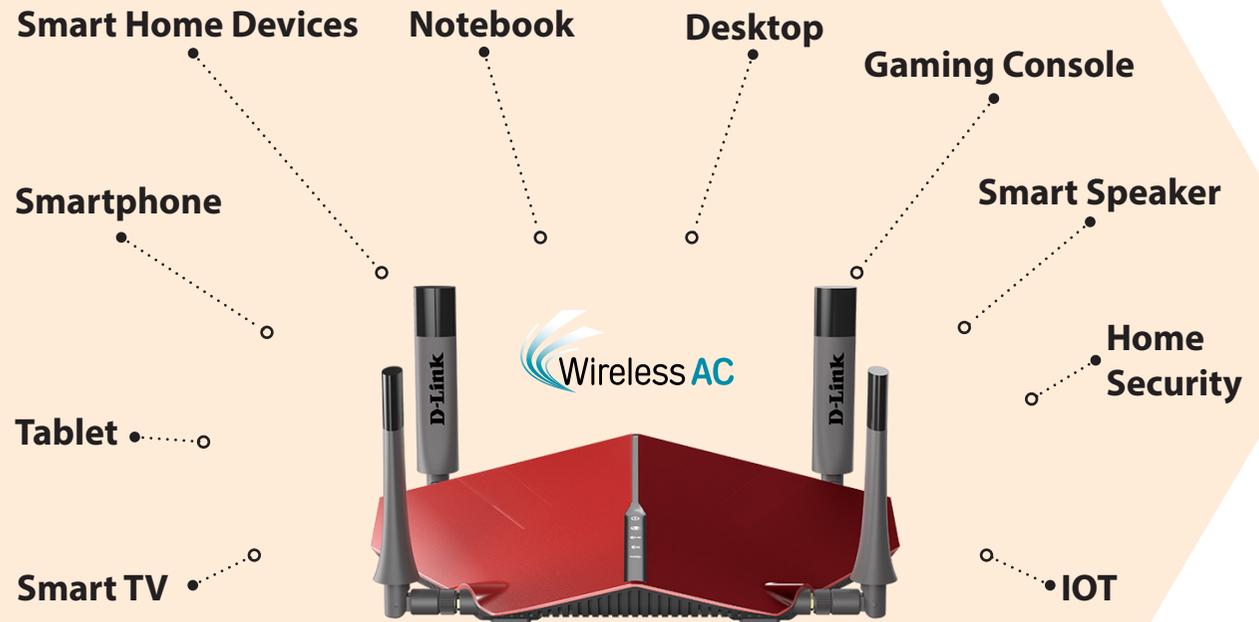


## Ditch the wires

The plethora of internet-connected devices around the home is now such that a really strong wireless connection is essential. Widespread coverage, strength of signal and bandwidth are all crucial factors that bring home wireless to the fore when connecting smartphones, tablets, computers, smart TVs, gaming consoles smart speakers and a whole host of home security and other smart devices. The D-Link range of consumer wireless devices offers the very latest in wireless tech, including the new Wave 2 standard for uncongested transmission at blazing fast speeds.

### Top five things to look for with home wi-fi routers

- 1 **Wireless Speed**  
*The higher the number, the better, particularly on the 5GHz band*
- 2 **MU-MIMO**  
*Is it Multi-User Multiple In Multiple Out compatible?*
- 3 **Ethernet Speed**  
*Gigabit is best for any hard-wired connections*
- 4 **USB Connections**  
*Does it have USB 3.0 for hard drive connection?*
- 5 **SmartBeam Technology**  
*Advanced AC SmartBeam helps to lock on and hold the wireless signal*



CONSUMER WIRELESS

Wi-Fi Routers



| MODEL  | DIR-605L         | DIR-809                            | DIR-842                            | DIR-878                             | DIR-882                             | DIR-885L                             |
|--|------------------|------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|
| Wireless standard  | Wireless N300    | Wireless AC750                     | Wireless AC1200                    | Wave 2<br>Wireless AC1900           | Wave 2<br>Wireless AC2600           | Wave 2<br>Wireless AC3150            |
| Wireless speed   | 300 Mbps 2.4 GHz | 300 Mbps 2.4 GHz<br>433 Mbps 5 GHz | 300 Mbps 2.4 GHz<br>867 Mbps 5 GHz | 600 Mbps 2.4 GHz<br>1300 Mbps 5 GHz | 800 Mbps 2.4 GHz<br>1733 Mbps 5 GHz | 1000 Mbps 2.4 GHz<br>2167 Mbps 5 GHz |
| Dual-band  |                  | •                                  | •                                  | •                                   | •                                   | •                                    |
| Tri-band   |                  |                                    |                                    |                                     |                                     |                                      |
| SmartConnect (Optimised 5GHz utilisation with band steering) |                  |                                    |                                    | •                                   | •                                   | •                                    |
| Multi-User MIMO (MU-MIMO)                                    |                  |                                    |                                    | •                                   | •                                   | •                                    |
| SmartBeam™ technology  |                  |                                    |                                    | Advanced<br>AC SmartBeam™           | Advanced<br>AC SmartBeam™           | Advanced<br>AC SmartBeam™            |
| Wi-Fi Extender Mode  |                  |                                    |                                    |                                     |                                     | •                                    |
| Guest Wi-Fi network  |                  |                                    | •                                  | •                                   | •                                   | •                                    |
| Antennas   | External         | External                           | External                           | External                            | External                            | External                             |
| Type of WAN  | Fast Ethernet    | Fast Ethernet                      | Gigabit Ethernet                   | Gigabit Ethernet                    | Gigabit Ethernet                    | Gigabit Ethernet                     |
| Wired LAN speed  | Fast Ethernet    | Fast Ethernet                      | Gigabit Ethernet                   | Gigabit Ethernet                    | Gigabit Ethernet                    | Gigabit Ethernet                     |
| Number of LAN ports  | 4                | 4                                  | 4                                  | 4                                   | 4                                   | 4                                    |
| USB port   |                  |                                    |                                    |                                     | USB 3.0 x 1<br>USB 2.0 x 1          | USB 3.0 x 1                          |
| mydlink™ cloud management                                    |                  |                                    |                                    |                                     |                                     | •                                    |
| mydlink™ SharePort™  |                  |                                    |                                    |                                     |                                     | •                                    |
| DLNA certified media server                                  |                  |                                    |                                    |                                     | •                                   | •                                    |

CONSUMER WIRELESS

Wi-Fi Extenders, Access Points, Hotspots



| Model               | DAP-1320*  | DAP-1325*  | DAP-1330*  | DAP-1360   | DAP-1365*  | DAP-1610*  | DAP-1620*  | DAP-1635*  | DAP-1665   |
|---------------------|--|--|--|--|--|--|--|--|--|
| Wireless standard   | Wireless N300  | Wireless N300  | Wireless N300  | Wireless N300  | Wireless N300  | Wireless AC1200  | Wireless AC1200  | Wireless AC1200  | Wireless AC1200  |
| Wireless speed      | 300 Mbps 2.4 GHz   | 300 Mbps 2.4 GHz   | 300 Mbps 2.4 GHz   | 300 Mbps 2.4 GHz   | 300 Mbps 2.4 GHz   | 300 Mbps 2.4 GHz<br>867 Mbps 5 GHz   | 300 Mbps 2.4 GHz<br>867 Mbps 5 GHz   | 300 Mbps 2.4 GHz<br>867 Mbps 5 GHz   | 300 Mbps 2.4 GHz<br>867 Mbps 5 GHz   |
| Dual-band           |  |  |  |  |  | Yes  | Yes  | Yes  | Yes  |
| Operational modes   | <ul style="list-style-type: none"> <li>• Wi-Fi Extender</li> </ul> | <ul style="list-style-type: none"> <li>• Wi-Fi Extender</li> <li>• Wi-Fi client</li> </ul> | <ul style="list-style-type: none"> <li>• Wi-Fi Extender</li> <li>• Wi-Fi client</li> </ul> | <ul style="list-style-type: none"> <li>• Access point</li> <li>• Wireless Bridge</li> <li>• Wireless Bridge with access point</li> <li>• Wi-Fi extender</li> <li>• Wi-Fi client</li> </ul> | <ul style="list-style-type: none"> <li>• Wi-Fi Extender</li> <li>• Wi-Fi client</li> </ul> | <ul style="list-style-type: none"> <li>• Wi-Fi Extender</li> <li>• Wi-Fi client</li> </ul> | <ul style="list-style-type: none"> <li>• Wi-Fi Extender</li> <li>• Wi-Fi client</li> </ul> | <ul style="list-style-type: none"> <li>• Wi-Fi Extender</li> <li>• Wi-Fi client</li> <li>• Access point</li> </ul> | <ul style="list-style-type: none"> <li>• Access point</li> <li>• Wireless Bridge</li> <li>• Wireless Bridge with access point</li> <li>• Wi-Fi extender</li> <li>• Wi-Fi client</li> </ul> |
| Antennas            | Internal   | External   | Foldable external  | External   | Foldable external  | Foldable external  | Foldable external  | Foldable external  | External   |
| Wired LAN speed     |  | Fast Ethernet  | Fast Ethernet  | Fast Ethernet  | Fast Ethernet  | Fast Ethernet  | Gigabit Ethernet   | Gigabit Ethernet   | Gigabit Ethernet   |
| Number of LAN ports |  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| Passthrough socket  |  |  |  |  | Yes  |  |  | Yes  |  |

3G / 4G LTE, Wi-Fi Adapters



| Model                          | DWA-121          | DWA-127            | DWA-131          | DWA-171                            | DWA-172                            | DWA-182                            | DWA-192                             | DWA-582                            | DWM-157                          | DWM-222                       |
|--------------------------------|------------------|--------------------|------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|------------------------------------|----------------------------------|-------------------------------|
| Connection type                | Wireless N150    | Wireless N150      | Wireless N300    | Wireless AC600                     | Wireless AC600                     | Wireless AC1200                    | Wireless AC1900                     | Wireless AC1200                    | 3G HSPA+                         | 4G LTE Cat. 4                 |
| Connection speed               | 150 Mbps 2.4 GHz | 150 Mbps 2.4 GHz   | 300 Mbps 2.4 GHz | 150 Mbps 2.4 GHz<br>433 Mbps 5 GHz | 150 Mbps 2.4 GHz<br>433 Mbps 5 GHz | 300 Mbps 2.4 GHz<br>867 Mbps 5 GHz | 600 Mbps 2.4 GHz<br>1300 Mbps 5 GHz | 300 Mbps 2.4 GHz<br>867 Mbps 5 GHz | D/L: 21.6 Mbps<br>U/L: 5.76 Mbps | D/L: 150 Mbps<br>U/L: 50 Mbps |
| Dual-band                      |                  |                    |                  |                                    |                                    | Yes                                | Yes                                 |                                    |                                  |                               |
| Antennas                       | Internal         | High-gain external | Internal         | Internal                           | High-gain external                 | Internal                           | Internal                            | High-gain external                 | Internal                         | Internal                      |
| Integrated SIM card slot       |                  |                    |                  |                                    |                                    |                                    |                                     |                                    | Yes                              | Yes                           |
| WPS one button connection      | Yes              | Yes                | Yes              | Yes                                | Yes                                | Yes                                | Yes                                 |                                    |                                  |                               |
| Wi-Fi Protected Access support | WPA and WPA2     | WPA and WPA2       | WPA and WPA2     | WPA and WPA2                       | WPA and WPA2                       | WPA and WPA2                       | WPA and WPA2                        | WEP, WPA and WPA2                  |                                  |                               |
| Interface type                 | USB 2.0          | USB 2.0            | USB 2.0          | USB 2.0                            | USB 2.0                            | USB 3.0                            | USB 3.0                             | PCIe                               | USB 2.0                          | USB 2.0                       |

\* Not available for UK and Ireland

CONSUMER WIRELESS

Wi-Fi Modem Routers



| Model                    | DSL-2750B*                                      | DSL-3682*  | DSL-3782*  | DSL-3785*   | DWR-116  | DWR-118   | DWR-730                                      | DWR-921  | DWR-932  | DWR-953   |
|--------------------------|---|--|--|---|--|---|--|--|--|---|
| Wireless standard        | Wireless N300                                   | Wireless AC750   | Wireless AC1200  | Wireless AC1200   | Wireless N300                                    | Wireless AC750                                      | Wireless N150                                | Wireless N300  | Wireless N300                                  | Wireless AC1200   |
| Wireless speed           | 300 Mbps 2.4 GHz                                | 300 Mbps 2.4 GHz<br>433 Mbps 5 GHz   | 300 Mbps 2.4 GHz<br>867 Mbps 5 GHz   | 300 Mbps 2.4 GHz<br>867 Mbps 5 GHz  | 300 Mbps 2.4 GHz                                 | 300 Mbps 2.4 GHz<br>433 Mbps 5 GHz                  | 150 Mbps 2.4 GHz                             | 300 Mbps 2.4 GHz   | 300 Mbps 2.4 GHz                               | 300 Mbps 2.4 GHz<br>867 Mbps 5 GHz                                    |
| Dual-band                |   | Yes  | Yes  | Yes   |  | Yes   |  |  |  | Yes   |
| Guest Wi-Fi network      |   | Yes  | Yes  | Yes   |  |   |  |  |  |   |
| Antennas                 | External  | External   | Internal   | Internal  | External   | External  | Internal                                     | External   | Internal                                       | External  |
| Type of WAN              | ADSL2/2+ Annex A<br>D/L: 12 Mbps<br>U/L: 1 Mbps | VDSL2 Profile<br>8b/17a/30a or<br>ADSL2/2+ Annex A<br>D/L: 100 Mbps<br>U/L: 100 Mbps | VDSL2 Profile<br>8b/17a/30a or<br>ADSL2/2+ Annex A<br>D/L: 100 Mbps<br>U/L: 100 Mbps | Gigabit Ethernet or<br>VDSL2 Profile<br>8b/17a/30a or<br>ADSL2/2+ Annex A<br>D/L: 100 Mbps<br>U/L: 100 Mbps | Fast Ethernet or<br>3G/4G LTE via USB<br>dongle* | Gigabit Ethernet or<br>3G/4G LTE via USB<br>dongle* | 3G HSPA+<br>D/L: 21.6 Mbps<br>U/L: 5.76 Mbps | Fast Ethernet or<br>4G LTE Cat. 4<br>D/L: 150 Mbps<br>U/L: 50 Mbps | 4G LTE Cat. 4<br>D/L: 150 Mbps<br>U/L: 50 Mbps | Gigabit Ethernet or<br>4G LTE Cat. 4<br>D/L: 150 Mbps<br>U/L: 50 Mbps |
| Integrated SIM card slot |   |  |  |   |  |   | Yes  | Yes  | Yes  | Yes   |
| Wired LAN speed          | Fast Ethernet                                   | Fast Ethernet  | Fast Ethernet  | Gigabit Ethernet  | Fast Ethernet                                    | Fast / Gigabit Ethernet                             |  | Fast Ethernet  |  | Gigabit   |
| Number of LAN ports      | 4   | 4  | 4  | 4   | 4  | 4   |  | 4  |  | 4   |
| Fail-safe Internet       |   |  |  |   | Yes  | Yes   |  | Yes  |  |   |
| USB port                 | USB 2.0 x 1                                     | USB 2.0 x 1  | USB 2.0 x 1  | USB 2.0 x 1   | USB 2.0 x 1                                      | USB 2.0 x 1   | micro-USB x 1                                |  | micro-USB x 1                                  |   |
| SharePort™               | Yes   | Yes  | Yes  | Yes   |  |   |  |  |  |   |
| microSD card slot        |   |  |  |   |  |   | Yes  |  |  |   |
| Battery powered          |   |  |  |   |  |   | Yes  |  | Yes  |   |
| OLED display             |   |  |  |   |  |   | Yes  |  |  |   |

\* Not available for UK and Ireland

POWERLINE



# No New Wires

Use your electrical wiring to extend your home network to places where you currently have no Internet access as your wireless signal is not strong enough to reach (such as a garage or basement). The super-fast Powerline connection allows you to stream multiple HD movies and music or play online games without lag anywhere in your home. Simply plug one adapter into your existing router to turn any power outlet in your home into an Internet connection and then plug the other adapter into the room you want to extend your connection to.



**ETHERNET TO POWERLINE CONNECTION**

No new wires require. Simply uses your existing electrical wiring to extend your Internet<sup>2</sup>



**SIMPLY PLUG IN AND GO**

Setup up in seconds with plug and play installation. No technical knowledge needed



**POWERLINE AV TECHNOLOGY**

Fast speeds enable you to stream HD movies without buffering, download faster and play online games with less lag



**DUAL-BAND WI-FI AC1200**

Latest Wireless AC technology provides combined wireless speeds of 1200 Mbps with reduced interference



**PUSH BUTTON SECURITY**

Create a secure network with a touch of a button. Advanced encryption protects your data



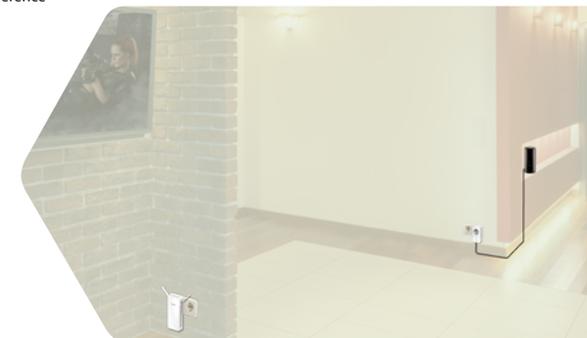
**GIGABIT ETHERNET PORT**

With speeds of up to 1000 Mbps<sup>1</sup> to maximise speed and performance



**INTEGRATED PASSTHROUGH SOCKET**

Allows you to continue to use the power socket to power other devices



| Model              | DHP-601AV*              | DHP-P601AV*                                   | DHP-701AV*              | DHP-W311AV*   | DHP-W611AV*   |
|--------------------|-------------------------|---|-------------------------|---|---|
| Package includes   | 2 x Powerline adapters  | 2 x Powerline adapters with power passthrough | 2 x Powerline adapters  | 1 x Powerline adapter<br>1 x Powerline Wi-Fi extender | 1 x Powerline adapters with power passthrough<br>1 x Powerline Wi-Fi extender |
| Powerline standard | HomePlug AV2            | HomePlug AV2                                  | HomePlug AV2.1          | HomePlug AV   | HomePlug AV2.1  |
| Powerline speed    | 1000 Mbps               | 1000 Mbps                                     | 1900 Mbps               | 300 Mbps  | 1000 Mbps   |
| Powerline MIMO     | •                       | •   | •                       |   | •   |
| Ethernet port      | 1 x Gigabit per adapter | 1 x Gigabit per adapter                       | 1 x Gigabit per adapter | 1 x Fast Ethernet                                     | 1 x Gigabit per adapter   |
| Wi-Fi standard     |                         |   |                         | Wireless N300   | Dual-band Wireless AC1200   |
| Wi-Fi speed        |                         |   |                         | 300 Mbps 2.4 GHz                                      | 300 Mbps 2.4 GHz<br>867 Mbps 5 GHz  |

\* Not available for UK and Ireland

PARTNER PROGRAMME



D-Link's success as a provider of network solutions has been built on its relationship and unrivalled commitment to its partners. Our **Value In Partnership+ Programme** not only builds on these relationships but also takes them to the next level by offering networking solutions, training and processes that increase your ability to be profitable with us, grow and diversify your business and provide excellent value to your customers.

**Partner Benefits Summary\***

|   | REGISTERED<br>D-Link | BRONZE<br>D-Link | SILVER<br>D-Link | GOLD<br>D-Link |
|---|----------------------|------------------|------------------|----------------|
| Access to online D-Link Partner Portal            | Yes                  | Yes              | Yes              | Yes            |
| VIP+ Newsletter                                   | Yes                  | Yes              | Yes              | Yes            |
| Free Online Certification Training and Resources  | Yes                  | Yes              | Yes              | Yes            |
| Webinars and Workshops                            | Yes                  | Yes              | Yes              | Yes            |
| Online Product Tools                              | Yes                  | Yes              | Yes              | Yes            |
| Sales Support Material                            | Yes                  | Yes              | Yes              | Yes            |
| Exclusive Monthly Promotions                      | Yes                  | Yes              | Yes              | Yes            |
| Deal Registration                                 |                      | Yes              | Yes              | Yes            |
| Eligible for the Demo Purchase Programme          |                      | Yes              | Yes              | Yes            |
| Priority Tech Support                             |                      | Yes              | Yes              | Yes            |
| Campaigns Centre for Lead Generation              |                      |                  | Yes              | Yes            |
| Dedicated Account Management                      |                      |                  | Yes              | Yes            |
| Eligible for Sales Leads                          |                      |                  | Yes              | Yes            |
| Presence on D-Link Website (Where to Buy Section) |                      |                  | Yes              | Yes            |
| Invitation to Partner Roundtables                 |                      |                  |                  | Yes            |

\* Benefits could vary according to the country, please contact your local D-Link representative for more information.

Visit [vipplus.dlink.com](http://vipplus.dlink.com) to join today!

**Certification and Training**

The D-Link Certification Programme is a **free online, on-demand** training programme that provides sales and technical coursework and exams focused on specific technologies: Wireless, Storage, Security, Switching and IP Surveillance. It's an opportunity for individuals in your organisation to become **D-Link Specialists**.



Designed for **sales professionals**, DSS courses focus on D-Link's market strategy, value proposition, product positioning, identifying opportunities and understanding customer needs.



Designed for **pre-sales technical professionals** to ensure that they are knowledgeable about networking concepts and the features, functionality and positioning of D-Link products.

**Tools**

Available only to our registered partners these system design and product selector tools will help you create and simulate the right network solutions pre-sale.



**Product Selector Pro**

A straight-forward tool which allows you to select and compare D-Link products, making it easy for our Partners to know which products to use when setting up or upgrading a network or adding functionality.



**Wi-Fi Planner Pro**

A Useful tool with an intelligent algorithm that provides a visual representation of RF signals for all of D-Link's wireless network products that simulates the Wi-Fi environment prior to actual deployment.



**Surveillance Floor Planner Pro**

A web-based tool designed to make your surveillance project planning easier, the Surveillance Floor Planner Pro enables you to select cameras and simulate camera placement and coverage based on your customer requirements.



**Bandwidth Calculator**

Network bandwidth and storage requirements are important when designing a surveillance system. The factors include the number of cameras, the image resolution, the compression type and ratio, frame rates and scene complexity.



**GUI Emulator Pro**

Allows our partners to easily familiarise with the features and functionality of the selected product – ideal for product training for employees, as well as helping you to answer your customers' support queries quickly and efficiently.



#### Disclaimers and Trademarks

D-Link is a registered trademark of D-Link Corporation and its subsidiaries. D-ViewCam, D-ViewCam Plus, Vigilance, JustConnect, Covr, EXO, mydlink, VIP+, Central WiFiManager, D-Link Green, D-Link Assist and others registered by D-Link which may have not been included in this list are trademarks or registered trademarks of D-Link Corporation and/or D-Link Europe Ltd in Europe and/or other countries. Other brand and product names may be the trademarks and properties of their respective holders. All information is subject to change without notice. All rights reserved. Copyright ©2018 D-Link Europe Limited.

#### Exclusions of Liability

We have used all reasonable endeavours to ensure that the data within this Product Guide is accurate at the time of going to press and to correct any errors or omissions as soon as practicable after being notified of them. Guide specifics are subject to change without notice.

[www.dlink.com](http://www.dlink.com)

