

D-Link®

PRODUCT GUIDE

SWITCHES
WIRELESS



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.

With over 30 years in the industry, D-Link has both the resources and expertise needed to 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 PoE/PoE+ 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 <https://dlink.to/tollyreport>.

SWITCHES

Fast Ethernet 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, 802.3at			802.3af		802.3af	
PoE power budget			60 W			52 W		246.4 W	
PoE capable ports			Port 1-4, up to 30 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
Jumbo frame		2047 Bytes			1536 Bytes		2000 Bytes		
802.1p QoS		• (Strict mode)	• (Strict mode)		• (Strict mode)		2• (Strict mode)		• (Strict mode)
Number of QoS queues		2	4		2		4		4
D-Link Green	•	•	•	•	•	•	•	•	•
802.3az EEE	•	•	•	•	•	•	•	•	•
Power supply type	External	External	External	External	External	External	Internal	Internal	Internal

Gigabit Unmanaged

Gigabit Ethernet



MODEL	DGS-1005D	DGS-105	DGS-1005P	DGS-1008D	DGS-108	DGS-1008P	DGS-1008MP	DGS-1016D	DGS-1024D	DGS-1026MP
Number of Gigabit ports	5	5	5	8	8	8	8	16	24	24
Number of Combo 1000BASE-T/SFP ports										2
Switching capacity	10 Gbps	10 Gbps	10 Gbps	16 Gbps	16 Gbps	16 Gbps	16 Gbps	32 Gbps	48 Gbps	52 Gbps
PoE standards			802.3af, 802.3at			802.3af, 802.3at	802.3af, 802.3at			802.3af, 802.3at
PoE power budget			60 W			68 W	140 W			370 W
PoE capable ports			Ports 1-4, up to 30 W			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	2K	4K	8K	4K	8K	8K	8K	8K
Jumbo frame	9720 Bytes	9216 Bytes	9216 Bytes	9720 Bytes	9216 Bytes	9720 Bytes	9216 Bytes	10,000 Bytes	10,000 Bytes	9600 Bytes
802.1p QoS	• (Strict mode)	• (Strict mode)	• (Strict mode)	• (Strict mode)	• (Strict mode)	• (Strict mode)	• (Strict mode)	•	•	•
Number of QoS queues	4	4	4	4	4	4	4	8	8	8
Cable diagnostics	•	•	•	•	•	•	•	•	•	•
D-Link Green	•	•	•	•	•	•	•	•	•	•
802.3az EEE	•	•	•	•	•	•	•	•	•	•
Power supply type	External	External	External	External	External	External	Internal	Internal	Internal	Internal

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



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				
	CAT-7	Up to 100m			
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

Gigabit Layer 2 Managed

Gigabit Ethernet



	MODEL	DGS-3000-28LP	DGS-3000-28X	DGS-3000-28XMP	DGS-3120-24TC/SI	DGS-3120-24PC/SI	DGS-3120-24SC/SI	DGS-3120-48TC/SI	DGS-3120-48PC/SI	DGS-3120 EI
HARDWARE	Number of Gigabit ports	24	24	24	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						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	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 (740 W with DPS-700 RPS)			370 W (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	
Physical stacking (device / max bandwidth)				• (6/40G)	• (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)
L2	MAC address	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	•	•	•	•	•	•	•	•	•
VLAN	VLAN group (max static)	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	•	•	•	•	•	•	•	•	•	
L3	IPv4/IPv6 routing table									512 / 512
	IPv4/IPv6 forwarding table									2K / 1K
	IP interfaces	16	16	16						16
	IPv6 Ready Logo, IPv6 neighbour discovery (ND)				•	•	•	•	•	•
	Static route for IPv4/IPv6	64 / 32	64 / 32	64 / 32						512
RIP v1/v2, RIPng										
QoS	Number of queues per port	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)
	Time-based QoS				•	•	•	•	•	•
ACL	ACL (Ingress / Egress / VLAN-based)	• (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	•	•	•	•	•	•	•	•	•
SECURITY	SSH, SSL (v1/v2/v3)	•	•	•	•	•	•	•	•	•
	IP-MAC-port binding (IMPB)	•	•	•	•	•	•	•	•	•
	ARP spoofing, BPDU attack protection	•	•	•	•	•	•	•	•	•
AAA	802.1X access control	•	•	•	•	•	•	•	•	•
	Microsoft NAP support	•	•	•	•	•	•	•	•	•
	RADIUS/TACACS+ authentication	•	•	•	•	•	•	•	•	•
MANAGEMENT	SNMP (v1/v2c/v3), RMON v1/v2	•	•	•	•	•	•	•	•	•
	sFlow	•	•	•	•	•	•	•	•	•
	LLDP-MED	•	•	•	•	•	•	•	•	•
	ICMPv6				•	•	•	•	•	•
802.3ah, 802.1ag, ITU-TY.1731	•	•	•							

SWITCHES

Gigabit
Layer 3
Managed

Gigabit Ethernet with 10G Uplinks



	MODEL	DGS-3130-30TS	DGS-3130-30PS	DGS-3130-30S	DGS-3130-54TS	DGS-3130-54PS	DGS-3130-54S
HARDWARE	Number of Gigabit ports	24	24		48	48	
	Number of SFP ports			24			48
	Number of 10GBASE-T ports	2	2	2	2	2	2
	Number of 10G SFP+ ports	4	4	4	4	4	4
	Switching capacity	168 Gbps	168 Gbps	168 Gbps	216 Gbps	216 Gbps	216 Gbps
	PoE standards		802.3af, 802.3at			802.3af, 802.3at	
	PoE power budget		370 W (740 W with RPS)			370 W (740 W with RPS)	
	PoE capable ports		Ports 1-24, up to 30 W			Ports 1-48, up to 30 W	
	Power supply type	Internal	Internal	Internal	Internal	Internal	Internal
	Physical stacking (device / max bandwidth)	• (9*/80G)	• (9*/80G)	• (9*/80G)	• (9*/80G)	• (9*/80G)	• (9*/80G)
Virtual stacking (device)	• (32)	• (32)	• (32)	• (32)	• (32)	• (32)	
L2	MAC address	Up to 16K	Up to 16K	Up to 16K	Up to 16K	Up to 16K	Up to 16K
	802.1D STP, 802.1w RSTP, 802.1s MSTP	•	•	•	•	•	•
	Ethernet ring protection switching (ERPS)	•	•	•	•	•	•
	802.3ad, 802.1AX link aggregation	•	•	•	•	•	•
VLAN	VLAN group (max static)	4K	4K	4K	4K	4K	4K
	Port / MAC / protocol-based VLAN, GVRP	•	•	•	•	•	•
	Asymmetric, Private VLAN	•	•	•	•	•	•
	ISM, Super, Voice VLAN	•	•	•	•	•	•
L3	IPv4/IPv6 routing table	1024 / 512	1024 / 512	1024 / 512	1024 / 512	1024 / 512	1024 / 512
	IPv4/IPv6 forwarding table	2048 / 1024	2048 / 1024	2048 / 1024	2048 / 1024	2048 / 1024	2048 / 1024
	IP interfaces	16	16	16	16	16	166
	IPv6 neighbour discovery (ND)	•	•	•	•	•	•
	Static route for IPv4/IPv6	1024 / 512	1024 / 512	1024 / 512	1024 / 512	1024 / 512	1024 / 512
	VRRP	•	•	•	•	•	•
	Multicasting	•	•	•	•	•	•
	RIP v1/v2, RIPng	•	•	•	•	•	•
QoS	Number of queues per port	8	8	8	8	8	8
	CoS based on contents	•	•	•	•	•	•
	Bandwidth control (min. granularity)	• (8Kbps)	• (8Kbps)	• (8Kbps)	• (8Kbps)	• (8Kbps)	• (8Kbps)
ACL	Single/two rate Three Colour Marker	•	•	•	•	•	•
	ACL (Ingress / Egress / VLAN-based)	•	•	•	•	•	•
SECURITY	Based on packet contents	•	•	•	•	•	•
	SSH, SSL (v1/v2/v3)	•	•	•	•	•	•
	IP-MAC-port binding (IMPB)	•	•	•	•	•	•
	ARP spoofing, BPDU attack protection	•	•	•	•	•	•
AAA	802.1X access control, Microsoft NAP	•	•	•	•	•	•
	RADIUS/TACACS+ authentication	•	•	•	•	•	•
MANAGEMENT	SNMP (v1/v2c/v3), RMON v1/v2, sFlow	•	•	•	•	•	•
	LLDP-MED	•	•	•	•	•	•
	ICMPv6	•	•	•	•	•	•
	802.3ah, 802.1ag, ITU-T Y.1731	•	•	•	•	•	•

* When stacking the DGS-3130-30TS/30S/30PS models, the stacking cost is 1 per unit so the maximum units per stack is 9.
 When stacking the DGS-3130-54TS/54S/54PS models, the stacking cost is 2 per unit so the maximum units per stack is 6.
 When stacking different models in the same stack, switches can be stacked up to a maximum of 12 stacking cost per stack. For example: 2 x DGS-3130-30TS (2 stacking cost) + 2 x DGS-3130-30S (2 stacking cost) + 4 x DGS-3130-54TS (8 stacking cost) consumes a total stacking cost of 12 (2+2+8).

SWITCHES

Gigabit/10 Gigabit Layer 2+ Managed

Gigabit Ethernet 10 Gigabit Ethernet



MODEL	DGS-3420-28TC	DGS-3420-28SC	DGS-3420-28PC	DGS-3420-52T	DGS-3420-52P	DXS-3400-24TC	DXS-3400-24SC
HARDWARE							
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 (740 W with DPS-700 RPS)		370 W (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	Internal	Internal	Internal	Internal	Internal	Internal
Physical stacking (device / max bandwidth)	• (12/40G)	• (12/40G)	• (12/40G)	• (12/40G)	• (12/40G)	• (4/80G)	• (4/80G)
Virtual stacking ((device)	• (32)	• (32)	• (32)	• (32)	• (32)	• (32)	• (32)
L2							
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	•	•	•	•	•	•	•
VLAN							
VLAN group (max static)	4K	4K	4K	4K	4K	4K	4K
Port / MAC / protocol-based VLAN, GVRP	•	•	•	•	•	•	•
Port-based / selective double VLAN	•	•	•	•	•	•	•
ISM / voice VLAN	•	•	•	•	•	•	•
DCB - 802.1Qbb, 802.1Qaz						•	•
L3							
IPv4/IPv6 routing table	1K / 512	1K / 512	1K / 512	1K / 512	1K / 512	4K / 1K	4K / 1K
IPv4/IPv6 forwarding table	2K / 1K	2K / 1K	2K / 1K	2K / 1K	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	•	•	•	•	•	•	•
QoS							
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	•	•	•	•	•	•	•
ACL							
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	•	•	•	•	•	•	•
SECURITY							
SSH, SSL (v1/v2/v3)	•	•	•	•	•	•	•
IP-MAC-port binding (IMPB)	•	•	•	•	•	•	•
ARP spoofing, BPDU attack protection	•	•	•	•	•	•	•
MANAGEMENT / AAA							
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) 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	•	•	•

10/40 Gigabit Ethernet SFP+/QSFP+ Transceivers



MODEL	DEM-410T	DEM-431XT	DEM-432XT	DEM-QX01Q-SR4	DEM-QX10Q-LR4
Standard	IEEE 802.3an 10GBase-T	IEEE 802.3ae 10GBase-SR	IEEE 802.3ae 10GBase-LR	40G BASE-SR4	40G BASE-LR4
Connector	RJ45	Duplex LC	Duplex LC	MPO	Duplex LC
Cable Type (Maximum Distance)	Single-Mode		9/125 µm fibre (10 km)	9/125 µm fibre	9/125 µm fibre (10 km)
	Multi-Mode		50/125 µm fibre (OM2-82 m, OM3-300 m), 62.5/125 µm fibre (OM1-33m)	Single 1x12 MPO receptacle (female) (OM3 MMF: 100 m, OM4 MMF: 150 m)	
	Cat	Cat5e, Cat6a			
Wavelength		850 nm	1310 nm	1310 nm	1271/1291/1311/1331 nm
Power	3.3 V	3.3 V	3.3 V	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	DEM-CB300QXS
Cable Series Type	InfiniBand	CXP Direct Attach	InfiniBand	InfiniBand	SFP+ Direct Attach	InfiniBand	SFP+ Direct Attach	QSFP+ 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	SFP MSA
Device Rate	10 Gbps	120 Gbps	10 Gbps	10 Gbps	10 Gbps	10 Gbps	10 Gbps	40 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	QSFP+ Cable Assembly
Wire AWG	28	30	28	28	30	28	30	30
Minimum Cable Bend Radius		49 mm			23.5 mm		23.5 mm	32 mm
Cable Length	50 cm	50 cm	50 cm	100 cm	100 cm	300 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	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	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	-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	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 • IEEE 802.3u 100BASE-TX	• IEEE 802.3an 10GBASE-T • IEEE 802.3ab 1000BASE-T • IEEE 802.3u 100BASE-TX
Interface Slot	PCI 2.3	PCI Express x8 2.0, 5 GT/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-1510-52XMP			•
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 100BASE-TX	10/100BASE-TX 100BASE-TX	1000BASE-T 1000BASE-SX	100BASE-TX 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

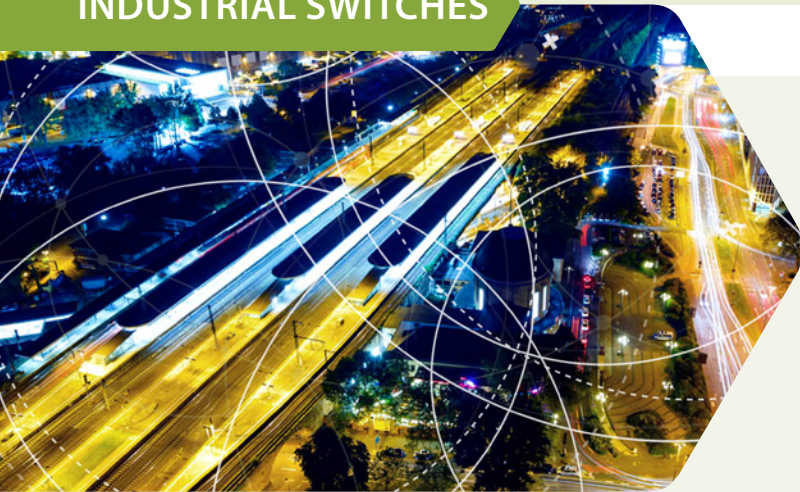


- Main Features**
- Extends PoE connection up to 500 m*
 - Multiple mounting options

- 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 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.



DIS-100E/100G Series Industrial Fast Ethernet / Gigabit Unmanaged Switches for edge deployment	DIS-200G Series Industrial Gigabit Smart Managed Switches for aggregation deployment	DIS-300G Series Industrial Gigabit Managed Switches for aggregation deployment	DIS-700G Series Industrial Layer 2+ Gigabit Managed Switch for core deployment
Plug and play; compact size	Cost-effective; compact size	High performance; compact size	High performance, dual redundant DC input
-40 to 75° operating temperature	-40 to 65° operating temperature	-40 to 75° operating temperature	-40 to 75°C operating temperature
DIN-Rail mounting	DIN-Rail mounting	DIN-Rail mounting	Rack mounting
5-port	12-port	8/12/14-port	24-port SFP + 4-port SFP+
Redundant power inputs	Optional PoE 802.3af/at support	Optional PoE 802.3af/at support	Supports intelligent Quality of Service (QoS)
Optional PoE 802.3af/at support (DIS-100G)	VLAN support for added security	VLAN support for added security	Optimisation of network traffic

INDUSTRIAL SWITCHES

Industrial Gigabit Switches



	MODEL	DIS-100E-5W	DIS-100E-8W	DIS-100G-5W	DIS-100G-5SW	DIS-100G-5PSW	DIS-200G-12S	DIS-200G-12PS	DIS-300G-12SW	DIS-300G-8PSW	DIS-300G-14PSW	DIS-700G-28XS	
HARDWARE	Number of Fast Ethernet ports	5	8										
	Number of Gigabit ports			5	4	4	10	10	8	6	10		
	Number of SFP ports				1	1	2	2	4	2	4	24	
	Number of 10G SFP+ ports											4	
	PoE standards					802.3af, 802.3at		802.3af, 802.3at		802.3af, 802.3at	802.3af, 802.3at, 60W (port 1 and 2 only)		
	PoE power budget					120 W		240 W		120 W	240 W		
	PoE capable ports					Ports 1-4, up to 30 W		Ports 1-8, up to 30 W		Ports 1-4, up to 30 W	Ports 1-2, up to 60 W 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	12-48 VDC	48-58 VDC	12-58 VDC	48-58 VDC (54~58V VDC for PoE+)	48-58 VDC (54~58V VDC for PoE+)	Dual 20-58 VDC	
	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-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	Din-rail and wall	Din-rail and wall	Din-rail and wall	Din-rail and wall	Din-rail and wall	Din-rail and wall	Din-rail and wall	Din-rail and wall	Din-rail and wall	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 65°C	-40° to 65°C	-40 to +75°C	-40 to +75°C	-40 to +75°C	-40 to +75°C	
	Vibration, shock and freefall certification	Vibration: IEC60068-2-6; Shock: IEC60068-2-27; Free Fall: IEC60068-2-32											
	NEMA-TS2, EN50121-4 (compliant)												
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												
L2	MAC address	1K	1K	2K	2K	2K	8K	8K	8K	8K	8K	8K	
	802.1D STP, 802.1w RSTP, 802.1s MSTP												
	Fast Failover Protection Rings						• (ERPS, 50-200ms)	• (ERPS, 50-200ms)	• (<20ms)	• (<20ms)	• (<20ms)	• (<20ms)	
VLAN	802.3ad, 802.1AX link aggregation												
	VLAN group (max static)						128	128	256	1024	1024	2048	
	Port/MAC/protocol-based VLAN, GVRP						Port-based, GVRP	Port-based, GVRP					
	Port-based double VLAN												
QoS	Auto-Servillance, Voice VLAN												
	Multicast protocols						IGMP v1/v2, IGMP snooping	IGMP v1/v2, IGMP snooping	IGMP v1/v2, IGMP snooping	IGMP v1/v2, IGMP snooping	IGMP v1/v2, IGMP snooping	IGMP v1/v2/v3, IGMP snooping	
	802.1p												
	Policy-based access control engine											Multi-layer ACL	
SECURITY	Number of queues per port			4	4	4	4	4	8	8	8	8	
	Traffic shaper						Port-based	Port-based	Port-based	Port-based	Port-based	Port/queue-based shaping & scheduling	
	Traffic policer											TTCM	
AAA	Multicast/Broadcast/Flooding Storm Control												
	Access control						Web-based	Web-based	IP/MAC/policy-based	IP/MAC/policy-based	IP/MAC/policy-based	IP/MAC/policy-based	
	802.1X access control												
MANAGEMENT	RADIUS/TACACS+ authentication						RADIUS only	RADIUS only				RADIUS only	
	SNMP (v1/v2c/v3), RMON v1						SNMP only	SNMP only					
	Web-based management												
	Command line interface (CLI)												
	HTTPs, SSH						HTTPs only	HTTPs only					
	Syslog												



MODEL	DWM-312 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"> 1 x 10/100 Fast Ethernet WAN port 1 x 5.5 mm DC input 2 x SMA (antenna connectors) Dual Micro-SIM slots
Advanced features	<ul style="list-style-type: none"> QoS engine (Quality of Service) L2TP/PPTP/IPsec VPN Client/Server modes SNMP and D-View 7 Support Firmware over the air (FOTA) upgrades Web-based UI TR-069 CPE WAN Management Protocol
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 • Input: 85 ~ 264VAC • Output: 21.6 ~ 29V DC • Din rail TS-35/7.5 or 15 mountable • -30~70°C operating temperature
	DIS-H60-24	60W 24VDC Ultra Slim DIN Rail PSU • Input: 85 ~ 264VAC • Output: 21.6 ~ 29V DC • Din rail TS-35/7.5 or 15 mountable • -30~70°C operating temperature
	DIS-N240-48	240W 48VDC DIN Rail PSU • Input: 90 ~ 264VAC • Output: 48 ~ 55V DC • Din rail TS-35/7.5 or 15 mountable • -20~70°C operating temperature
	DIS-N480-48	480W 48VDC DIN Rail PSU • Input: 90 ~ 264VAC • Output: 48 ~ 55V DC • Din rail TS-35/7.5 or 15 mountable • -20~70°C operating temperature
SFP TRANSCEIVERS	DIS-S301SX	1-port Mini-GBIC SFP to 1000BaseSX Multi-Mode Fibre Transceiver • up to 550 m • -40~85°C operating temperature
	DIS-S302SX	1-port Mini-GBIC SFP to 1000BaseSX Multi-Mode Fibre Transceiver • up to 2 km • -40~85°C operating temperature
	DIS-S310LX	1-port Mini-GBIC SFP to 1000BaseLX Single-Mode Fibre Transceiver • up to 10 km • -40~85°C operating temperature

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 Networking Solution

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

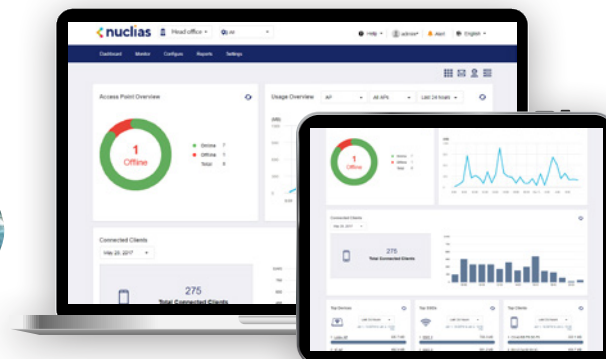
Suitable for small branch offices to large networks, Nuclias provides unlimited capacity and uncompromised throughput with its low in-band data management footprint.

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 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



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.

Managed Wireless



Central WiFiManager



	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)	
	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)	
	Supported AP	DBA-1210P	DAP-2230 DAP-2310 (B1) DAP-2360 (B1) DAP-2610	DAP-2660 DAP-2695 DAP-3320 DAP-3362	DWL-2600AP DWL-3610AP DWL-6610AP
	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)	•	•		
USER AUTHENTICATION	Multi-tenancy	•	•		
	WIDS			•	
	IPv6			•	
	Captive portal	•	•	•	
RF	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	
	Payment gateway (Paypal, WorldPay, SecureNet, Authorise.Net)			•	
	Web redirect		•	•	
WIRELESS FEATURE	Auto transmit power control		•	•	
	Self-healing around failed APs		•	•	
	Multiple SSID per Radio(AP)		8	16	
	Band steering		•	•	
	Seamless roaming		•	•	
	L2 roaming		•	•	
	Bandwidth optimisation		•	• (QoS)	
Load balancing		•	• (QoS)		
SYSTEM MANAGEMENT	Web-based user interface	HTTPS	HTTPS	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)	
	Firewall			• (2048)	
	VLAN			•	
	Support VPN gateway			• (VPN license upgrade)	
OTHERS	Build in DHCP server		•	•	
	Optional license upgrades			DWC-1000-AP6-LIC DWC-1000-VPN-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-3610AP	DWL-6610AP	DWL-6610APE	DWL-6620APS	DWL-6700AP	DWL-7620AP	DWL-8610AP	DWL-8620AP	DWL-8710AP	
HARDWARE	Wireless standards	b/g/n	Selectable Dual-Band 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 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	Simultaneous Dual-Band a/n/ac and b/g/n
	Wireless frequency range	2.4 to 2.4835GHz	2.4 to 2.4835GHz 5.15 to 5.875GHz	2.4 to 2.4835GHz 5.15 to 5.875GHz	2.4 to 2.4835GHz 5.15 to 5.875GHz	2.4 to 2.4835GHz 5.15 to 5.875GHz	2.4 to 2.4835GHz 5.15 to 5.875 GHz	2.4 to 2.4835GHz 5.15 to 5.875GHz	2.4 to 2.4835GHz 4.9 to 5.85 GHz	2.4 to 2.4835GHz 5.15 to 5.875GHz	2.4 to 2.4835GHz 4.9 to 5.85 GHz
	Maximum wireless speed	300 Mbps - 2.4 GHz	867 Mbps - 5 GHz 300 Mbps - 2.4 GHz	867 Mbps - 5 GHz 300 Mbps - 2.4 GHz	867 Mbps - 5 GHz 300 Mbps - 2.4 GHz	867 Mbps - 5 GHz 400 Mbps - 2.4 GHz	300 Mbps - 5 GHz 300 Mbps - 2.4 GHz	2 x 867 Mbps - 5 GHz 400 Mbps - 2.4 GHz	1300 Mbps - 5 GHz 450 Mbps - 2.4 GHz	1733 Mbps - 5 GHz 800 Mbps - 2.4 GHz	867 Mbps - 5 GHz 300 Mbps - 2.4 GHz
	MIMO	•	•	•	•	• (MU-MIMO)	•	• (MU-MIMO)	•	• (MU-MIMO)	•
	Antenna type	Embedded omni-directional	Embedded omni-directional	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	3 dBi for 2.4GHz 3 dBi for 5GHz	4 dBi for 2.4GHz 4 dBi for 5GHz	3 dBi for 2.4GHz 4 dBi for 5GHz	4 dBi for 2.4GHz 6 dBi for 5GHz	3 dBi for 2.4GHz 8 dBi for 5GHz	3 dBi for 2.4GHz 4 dBi for 5GHz	5 dBi for 2.4GHz 6.5 dBi for 5GHz	3 dBi for 2.4GHz 4 dBi for 5GHz	5 dBi for 2.4GHz 7 dBi for 5GHz
	Power-over-Ethernet	• (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	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	Metal/plastic	Plastic	Metal/plastic	
Outdoor housing (IP rating)						• (IP55)				• (IP67)	
Plenum rated (UL-2043)			•	•	•	•	•	•	•	•	
WIRELESS MODES	Access point (AP)	•	•	•	•	•	•	•	•	•	
	WDS with AP	•	•	•	•	•	•	•	•	•	
	WDS / bridge	•	•	•	•	•	•	•	•	•	
WIRELESS FEATURES	Maximum number of SSIDs	16	16	32 (16 per radio)	32 (16 per radio)	32 (16 per radio)	8 (4 per radio)	48 (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	•	•	•	•	•	•	•	•	•	•	
SECURITY	WEP 64/128bit, WPA/WPA2-Personal/Enterprise, TKIP/AES encryption	•	•	•	•	• (no WEP 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	•	•	•	•	•	•	•	•	•	
WIRELESS CONTROLLER MANAGED FEATURES	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
MANAGEMENT	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)	

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-3315	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 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 2.4835 GHz 5.15 to 5.875 GHz	2.4 to 2.4835 GHz 5.15 to 5.875 GHz	2.4 to 2.4835 GHz 5.15 to 5.875 GHz	2.4 to 2.4835 GHz 5.15 to 5.875 GHz	2.4 to 2.4835 GHz	2.4 to 2.4835 GHz 5.15 to 5.875 GHz
	Maximum wireless speed	867 Mbps - 5 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	867 Mbps - 5 GHz 400 Mbps - 2.4 GHz	867 Mbps - 5 GHz 300 Mbps - 2.4 GHz	1300 Mbps - 5 GHz 450 Mbps - 2.4 GHz	1300 Mbps - 5 GHz 450 Mbps - 2.4 GHz	300 Mbps - 2.4 GHz	867 Mbps - 5 GHz 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	Sector	4 embedded omni-directional
	Antenna gain	4 dBi for 2.4GHz 6 dBi for 5GHz	5 dBi	3 dBi	2 dBi	5 dBi	3 dBi for 2.4GHz 3 dBi for 5GHz	3 dBi for 2.4GHz 4 dBi for 5GHz	3.6 dBi for 2.4GHz 4.2 dBi for 5GHz	4 dBi for 2.4GHz 6 dBi for 5GHz	12 dBi	6 dBi for 2.4GHz 6 dBi for 5GHz
	Power-over-Ethernet (PoE)			• (802.3af)		• (802.3af)	• (802.3af)	• (802.3af)	• (802.3at)	• (802.3at)	• (proprietary)	• (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	2 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)										• (IPX5)	• (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)	SNTP only	•	•	•	•	•	•	•	•	•
	IPv6	•	•	•	•	•	•	•	•	•	•	•
MANAGEMENT	WEB	•	•	•	•	•	•	•	•	•	•	•
	SNMP (v1, v2c, v3)	•	•	•	•	•	•	•	•	•	•	•
	CLI, Telnet, SSH	•	•	•	•	•	•	•	•	•	•	•
	Syslog	•	•	•	•	•	•	•	•	•	•	•
	Central management through AP Manager II			•	•	•	•	•	•	•	•	•
	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 8 APs)	• (up to 32 APs)	• (up to 32 APs)	• (up to 32 APs)	• (up to 8 APs)	• (up to 32 APs)

* Coming soon

➤ 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

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



WARRANTY



Industry-Leading Warranty

D-Link is dedicated to setting new standards with our industry-leading business-class networking, wireless, and surveillance products. In fact, we're so confident in the reliability of our products, we offer warranties that truly demonstrate our commitment – giving you full assurance that we stand behind every product, every time.



Limited Lifetime Warranty

The Limited Lifetime Warranty on our business class switching and wireless products reflects our commitment to provide even more quality, performance and value. These include:

- Smart Switches (including integrated fans and power supplies)
- Managed Switches (including integrated fans and power supplies but excluding modules and external power supplies)
- Modular switches (applies to DXS-3400 and DXS-3600 Series, including expansion modules but excluding fans and power supplies)
- Business Wireless Products and Unified Service routers (excluding external power supplies, excludes SoHo Access Points)

For more information please refer to www.dlink.com/warranty

Register your eligible D-Link product within 30 days of purchase to qualify for the Limited Lifetime Warranty.

Register at

<https://dlink.to/productregister>



mydlink



The smart way to protect and control your home

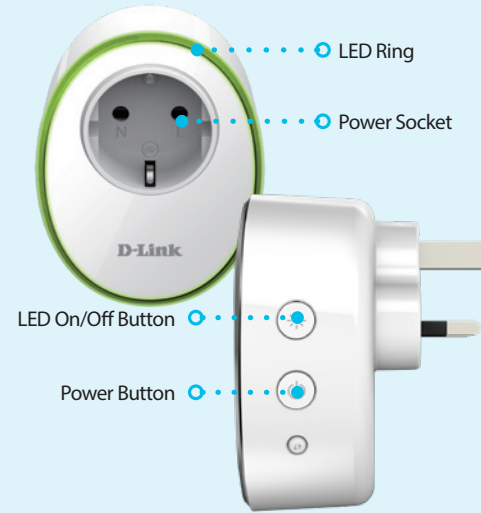
Keep an eye on your home while you're away, save money by controlling your power budget, set your lights to turn on when it gets dark. **Your home, only smarter.**

- 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



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 devices¹, 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

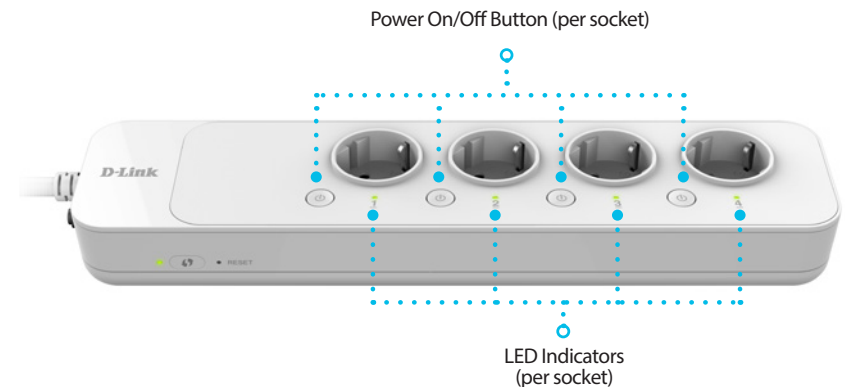


On & Off Control

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 devices¹, 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

* Not available for UK and Ireland

¹ Please visit www.dlink.com for more information on mydlink products that support Smart Home functionality.








DCS-2802KT-EU

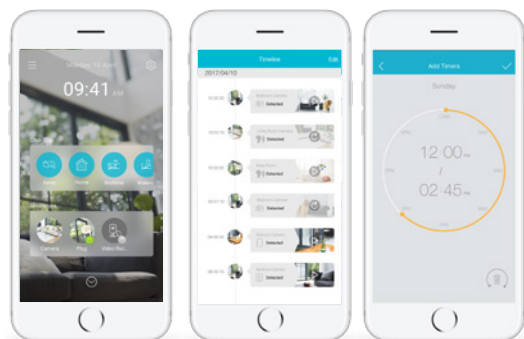
The mydlink™ Pro Wire-Free Camera Kit consists of two Wire-Free Cameras (DCS-2800LH-EU) and a Hub (DCS-H100) which are ideal for Small Office/Home Office (SOHO) surveillance applications. The compact Wire-Free Cameras are suitable for day-time and night-time for both indoor and outdoor environments. It features built-in night vision, motion detection, and a free mobile app — so you can feel at ease when you're away from home.

MODEL	DCS-8000LH DCS-P6000LH	DCS-8010LH	DCS-8100LH	DCS-8300LH	DCS-8525LH	DCS-8600LH	DCS-2802KT-EU
Indoor/Outdoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor/Outdoor	Indoor/Outdoor
Maximum Video Resolution	720p	720p	720p	1080p	1080p	1080p	1080p
Night vision	•	•	•	•	•	•	•
Range	Up to 5 m	Up to 5 m	5 m	5 m	5 m	7 m	7.5 m
Field Of View (H/V/D)	112° / 54° / 120°	96° / 53° / 120°	180° / 80° / 180°	137° / 71° / 167°	98° / 52° / 114°	117° / 59° / 135°	115° / 64° / 140°
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			•	•	•	•	•
PIR Motion Sensor							•
Wireless	802.11g/n	802.11g/n	802.11g/n	802.11b/g/n/ac	802.11b/g/n	802.11b/g/n	Proprietary 866 MHz/2.4GHz
Bluetooth Setup	•	•	•	•		•	
Ethernet Port					•		•
Onboard Storage Card Slot		microSD/SDHC/SDXC card	microSD/SDHC/SDXC card	microSD/SDHC/SDXC card	microSD/SDHC/SDXC card	microSD/SDHC/SDXC card	microSD/SDHC/SDXC
Number of cameras supported per hub							4
Optional single unit							DCS-2800LH-EU
App Support	iOS & Android	iOS & Android	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	Cloud / microSD / App	Cloud / microSD / USB / App
Amazon Alexa Support	•	•	•	•	•	•	•
Google Assistant Support	•	•	•	•	•	•	•
IFTTT Support	•	•	•	•	•	•	•
Sound / Motion Detection	•	•	•	•	•	•	•

Includes
12 Months
Cloud Recording
Subscription
Worth €49.99
Store unlimited videos for up to 14 days

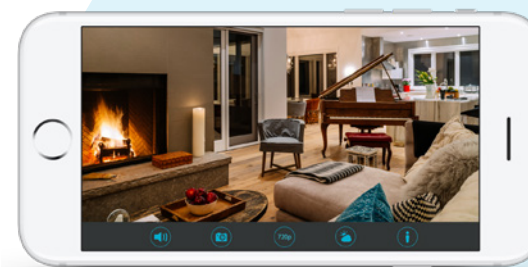


- 
100%
Wire-Free
- 
1080p
Full HD
- 
Advanced
Motion Detection
- 
IP65
Indoor/Outdoor
- 
Long-lasting
Rechargeable Battery



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.



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 Mesh Wi-Fi System

Wireless AC



Wireless AC



Wireless AC



MODEL		COVR-C1202*	COVR-C1203	COVR-2202
GENERAL	Coverage aread	Up to 325 m ²	Up to 465 m ²	Up to 550 m ²
	Number of units in pack	2	3	2
WIRELESS	Wireless standard	Wave 2 Wireless AC1200	Wave 2 Wireless AC1200	Wave 2 Wireless AC2200
	Wireless speed	300 Mbps 2.4 GHz 867 Mbps 5 GHz	300 Mbps 2.4 GHz 867 Mbps 5 GHz	400 Mbps 2.4 GHz 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			Wireless AC 5 GHz @ 867 Mbps
WIRE	LAN speed	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet
	Number of LAN ports per unit	2	2	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

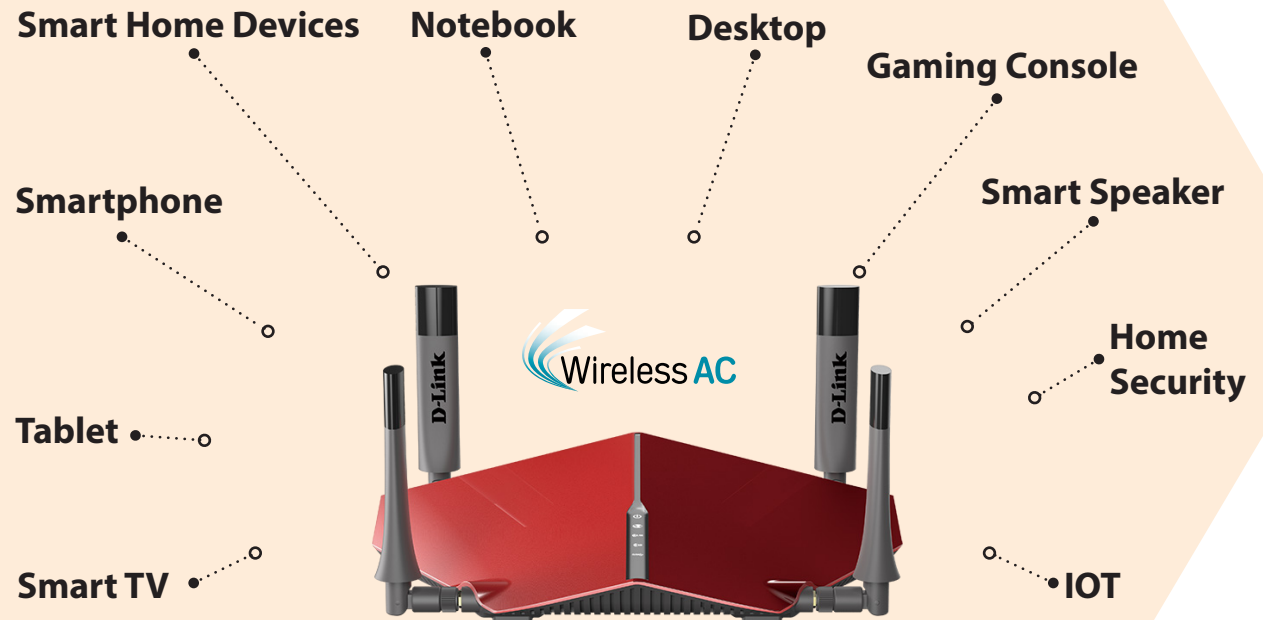


Ditch the wires

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 Wireless AC1900	Wave 2 Wireless AC2600	Wave 2 Wireless AC3150
Wireless speed	300 Mbps 2.4 GHz	300 Mbps 2.4 GHz 433 Mbps 5 GHz	300 Mbps 2.4 GHz 867 Mbps 5 GHz	600 Mbps 2.4 GHz 1300 Mbps 5 GHz	800 Mbps 2.4 GHz 1733 Mbps 5 GHz	1000 Mbps 2.4 GHz 2167 Mbps 5 GHz
Dual-band		•	•	•	•	•
Tri-band						
SmartConnect (Optimised 5GHz utilisation with band steering)				•	•	•
Multi-User MIMO (MU-MIMO)			•	•	•	•
SmartBeam™ technology				Advanced AC SmartBeam™	Advanced AC SmartBeam™	Advanced 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 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-1325*	DAP-1330*	DAP-1360	DAP-1365*	DAP-1610*	DAP-1620*	DAP-1665
Wireless standard	Wireless N300	Wireless N300	Wireless N300	Wireless N300	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 867 Mbps 5 GHz	300 Mbps 2.4 GHz 867 Mbps 5 GHz	300 Mbps 2.4 GHz 867 Mbps 5 GHz
Dual-band					Yes	Yes	Yes
Operational modes	<ul style="list-style-type: none"> • Wi-Fi Extender • Wi-Fi client 	<ul style="list-style-type: none"> • Wi-Fi Extender • Wi-Fi client 	<ul style="list-style-type: none"> • Access point • Wireless Bridge • Wireless Bridge with access point • Wi-Fi extender • Wi-Fi client 	<ul style="list-style-type: none"> • Wi-Fi Extender • Wi-Fi client 	<ul style="list-style-type: none"> • Wi-Fi Extender • Wi-Fi client 	<ul style="list-style-type: none"> • Wi-Fi Extender • Wi-Fi client 	<ul style="list-style-type: none"> • Access point • Wireless Bridge • Wireless Bridge with access point • Wi-Fi extender • Wi-Fi client
Antennas	External	Foldable external	External	Foldable external	Foldable external	Foldable external	Detachable external
Wired LAN speed	Fast Ethernet	Fast Ethernet	Fast Ethernet	Fast Ethernet	Fast Ethernet	Gigabit Ethernet	Gigabit Ethernet
Number of LAN ports	1	1	1	1	1	1	1
Passthrough socket				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 433 Mbps 5 GHz	150 Mbps 2.4 GHz 433 Mbps 5 GHz	300 Mbps 2.4 GHz 867 Mbps 5 GHz	600 Mbps 2.4 GHz 1300 Mbps 5 GHz	300 Mbps 2.4 GHz 867 Mbps 5 GHz	D/L: 21.6 Mbps U/L: 5.76 Mbps	D/L: 150 Mbps 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-3785*	DWR-116	DWR-730	DWR-921	DWR-932	DWR-953
Wireless standard	Wireless AC1200	Wireless N300	Wireless N150	Wireless N300	Wireless N300	Wireless AC1200
Wireless speed	300 Mbps 2.4 GHz 867 Mbps 5 GHz	300 Mbps 2.4 GHz	150 Mbps 2.4 GHz	300 Mbps 2.4 GHz	300 Mbps 2.4 GHz	300 Mbps 2.4 GHz 867 Mbps 5 GHz
Dual-band	Yes					Yes
Guest Wi-Fi network	Yes					
Antennas	Internal	External	Internal	External	Internal	External
Type of WAN	Gigabit Ethernet or VDSL2 Profile 8b/17a/30a or ADSL2/2+ Annex A D/L: 100 Mbps U/L: 100 Mbps	Fast Ethernet or 3G/4G LTE via USB dongle*	3G HSPA+ D/L: 21.6 Mbps U/L: 5.76 Mbps	Fast Ethernet or 4G LTE Cat. 4 D/L: 150 Mbps U/L: 50 Mbps	4G LTE Cat. 4 D/L: 150 Mbps U/L: 50 Mbps	Gigabit Ethernet or 4G LTE Cat. 4 D/L: 150 Mbps U/L: 50 Mbps
Integrated SIM card slot			Yes	Yes	Yes	Yes
Wired LAN speed	Gigabit Ethernet	Fast Ethernet		Fast Ethernet		Gigabit
Number of LAN ports	4	4		4		4
Fail-safe Internet		Yes		Yes		Yes
USB port	USB 2.0 x 1	USB 2.0 x 1	micro-USB x 1		micro-USB x 1	
SharePort™	Yes					
microSD card slot			Yes			
Battery powered			Yes		Yes	
OLED display			Yes			

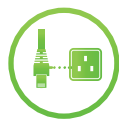
* Not available for UK and Ireland

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 Internet²



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 Mbps¹ 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 1 x Powerline Wi-Fi extender	1 x Powerline adapters with power passthrough 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 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 D-Link	BRONZE D-Link	SILVER D-Link	GOLD 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 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.



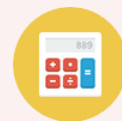
Wi-Fi Planner Pro

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.



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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.

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