








# **BUSINESS** SWITCHING






Comparison Guide

**D-Link**<sup>®</sup>  
FOR BUSINESS



# Business Switching Comparison Guide

D-Link Enterprise Ethernet Switches		Fully Managed Layer 2+ and Layer 3 10GbE, 25GbE, 40GbE and 100GbE Switches						
								
Layer		L3 or Bare Metal	L3 or Bare Metal	L3 or Bare Metal	L3 or Bare Metal	L2+ or L3	L2+ or L3	L2+ or L3
<b>100 GbE:</b>	Optical (QSFP28)	32	6	–	–	–	–	–
<b>40 GbE:</b>	Optical (QSFP+)	–	–	32	6	4 (optional)	–	–
<b>25 GbE:</b>	Optical (SFP28)	–	48	–	–	–	–	–
<b>10 GbE:</b>	Optical (SFP+)	–	–	–	48	24	20	–
	10GBASE-T (RJ45)	–	–	–	–	–	–	20
	Combo (RJ45/SFP+)	–	–	–	–	–	4	4
Console Port		RJ45 / RS232	mini-USB	RJ45 / RS232	mini-USB	RJ45 / RS232	RJ45 / RS232 + USB	RJ45 / RS232 + USB
Redundant Power Supplies		(2) DXS-PWR550AC	(2) DXS-PWR550AC	(2) DXS-PWR550AC	(2) DXS-PWR550AC	(2) DXS-PWR300AC	(2) DXS-PWR300AC	(2) DXS-PWR300AC
Fans		(4) Modular Fans	(4) Modular Fans	(4) Modular Fans	(4) Modular Fans	(3) Modular Fans	(3) Modular Fans	(3) Modular Fans
Switching Capacity		6400 Gbps	3600 Gbps	2560 Gbps	1440 Gbps	960 Gbps	480 Gbps	480 Gbps
Physical Stacking		–	–	–	–	Up to 4 devices	Up to 4 devices	Up to 4 devices
Warranty		Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Lifetime	Lifetime	Lifetime

D-Link Enterprise Ethernet Switches		Fully Managed Layer 2+ and Layer 3 Gigabit Switches				
						
Layer		L2+ or L3	L2+ or L3	L2+ or L3	L2+ or L3	L2+ or L3
<b>10 GbE:</b>	Optical (SFP+)	4	4	4	4	4
<b>1 GbE Ports:</b>	10/100/1000 (RJ45)	44	44	20	–	20
	Optical (SFP)	–	–	–	20	–
	Combo (RJ45/SFP)	4	4	4	4	4
Console Port		RJ45 / RS232 + USB	RJ45 / RS232 + USB	RJ45 / RS232 + USB	RJ45 / RS232 + USB	RJ45 / RS232 + USB
Power over Ethernet (802.3at)		Ports 1 - 48 (30W)	–	Ports 1 - 24 (30W)	–	–
PoE Budget (without RPS)		370W	–	370W	–	–
PoE Budget (with RPS)		740W	–	740W	–	–
Optional Redundant Power Supply		DPS-700	DPS-500A	DPS-700	DPS-500A	DPS-500A
Fans		(4) Smart Fans	(2) Smart Fans	(4) Smart Fans	(2) Smart Fans	(2) Smart Fans
Switching Capacity		176 Gbps	176 Gbps	128 Gbps	128 Gbps	128 Gbps
6kV Surge Protection		Yes	Yes	Yes	Yes	Yes
Physical Stacking		Up to 9 devices	Up to 9 devices	Up to 9 devices	Up to 9 devices	Up to 9 devices
Warranty		Lifetime	Lifetime	Lifetime	Lifetime	Lifetime

## Category Definitions for D-Link Managed Switches:

Layer 2	Layer 2+	Layer 3
Supports basic Layer 2 switching functions (i.e. VLAN, QoS, Link Aggregation, IGMP Snooping, Port Mirroring, Spanning Tree, Bandwidth Limiting and more)	Supports all L2 functions; adds "lite-Layer 3" routing features (i.e. Static Routing, Inter-VLAN routing and more)	Supports all L2 and L2+ functions; adds support for dynamic routing protocols (i.e. OSPF, BGP, L3 Multicast and more)



## D-Link SMB Ethernet Switches

### 1210-Series Smart Managed Rackmount Switches



	DXS-1210-12TC	DXS-1210-12SC	DGS-1210-52MP	DGS-1210-52	DGS-1210-28MP	DGS-1210-28P	DGS-1210-28
Layer	L2+	L2+	L2+	L2+	L2+	L2+	L2+
10 GbE Ports:	10GBASE-T (RJ45)	8	–	–	–	–	–
	Optical (SFP+)	2	10	–	–	–	–
	Combo (RJ45/SFP+)	2	2	–	–	–	–
1 GbE Ports:	10/100/1000 (RJ45)	–	–	48	48	24	24
	Combo (RJ45/SFP)	–	–	4	4	4	4
Console Port	RJ45 / RS232	RJ45 / RS232	–	–	–	–	–
Power over Ethernet (802.3at)	–	–	Ports 1 - 48 (30W)	–	Ports 1 - 24 (30W)	Ports 1 - 24 (30W)	–
PoE Budget	–	–	370W	–	370W	193W	–
Fans	(2) Smart Fans	(2) Smart Fans	(3) Smart Fans	Fanless	(2) Smart Fans	(2) Smart Fans	Fanless
Warranty	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime

## D-Link SMB Ethernet Switches

### 1210-Series Smart Managed Rackmount Switches











	DGS-1210-26	DGS-1210-10MP	DGS-1210-10P	DGS-1210-10	DES-1210-52	DES-1210-28P	DES-1210-28
Layer	L2+	L2+	L2+	L2+	L2	L2	L2
FE Ports:	10/100 (RJ45)	–	–	–	48	24	24
1 GbE Ports:	10/100/1000 (RJ45)	24	8	8	2	2	2
	Optical (SFP)	2	2	2	–	–	–
	Combo (RJ45/SFP)	–	–	–	–	2	2
PoE+ (802.3at) / PoE (802.3af)	–	Ports 1 - 8 (30W)	Ports 1 - 8 (30W)	–	–	Ports 1 - 4 (30W) Ports 5 - 24 (15W)	–
PoE Budget	–	130W	65W	–	–	193W	–
Fans	Fanless	Fanless	Fanless	Fanless	Fanless	(3) Smart Fans	Fanless
Warranty	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime








## D-Link SMB Ethernet Switches









### 1100-Series Smart Managed Rackmount Switches







	DXS-1100-10TS	DMS-1100-10TP	DMS-1100-10TS	DGS-1100-26MPP	DGS-1100-26MP	DGS-1100-24P	DGS-1100-24
Layer	L2	L2	L2	L2	L2	L2	L2
10 GbE Ports:	10GBASE-T (RJ45)	8	–	–	–	–	–
	Optical (SFP+)	2	2	2	–	–	–
2.5 GbE	2.5GBASE-T (RJ45)	–	8	8	–	–	–
1 GbE Ports:	10/100/1000 (RJ45)	–	–	–	24	24	24
	Combo (RJ45/SFP)	–	–	–	2	2	–
PoE++ (802.3bt) / PoE+ (802.3at)	–	Ports 1 - 8 (30W)	–	Ports 1 - 20 (30W) Ports 21 - 24 (75W)	Ports 1 - 24 (30W)	Ports 1 - 12 (30W)	–
PoE Budget	–	240W	–	518W	370W	100W	–
Fans	(2) Smart Fans	(1) Smart Fan	(1) Smart Fan	(2) Fans	(2) Fans	(1) Fan	Fanless
Warranty	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime








D-Link SMB Ethernet Switches		1100-Series Smart Managed Gigabit Switches							
									
		DGS-1100-16	DGS-1100-10MPP	DGS-1100-10MP	DGS-1100-08P	DGS-1100-08PD	DGS-1100-08	DGS-1100-05PD	DGS-1100-05
Layer		L2	L2	L2	L2	L2	L2	L2	L2
1 GbE:	10/100/1000 (RJ45)	16	8	8	8	8	8	5	5
	Optical (SFP)	–	2	2	–	–	–	–	–
PoE++ (802.3bt) / PoE+ (802.3at)		–	Ports 1 - 6 (30W) Ports 7 - 8 (75W)	Ports 1 - 8 (30W)	Ports 1 - 8 (30W)	–	–	Ports 1 - 2 (15.4W)	–
PoE Budget		–	242W	130W	64W	–	–	–	–
Power Supply		Internal	Internal	Internal	External	External or PoE	External	Requires PoE Pwr	External
Rack Mountable		Yes	Yes	Yes	–	–	–	–	–
Fans		Fanless	(1) Fan	(1) Fan	Fanless	Fanless	Fanless	Fanless	Fanless
Warranty		Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime






D-Link SMB Ethernet Switches		Unmanaged Gigabit Switches						
								
		DGS-1024D	DGS-1016D	DGS-1010MP	DGS-1008P	DGS-108	DGS-1005P	DGS-105
Layer		L2	L2	L2	L2	L2	L2	L2
1 GbE Ports:	10/100/1000 (RJ45)	24	16	9	8	8	–	5
	Optical (SFP)	–	–	1	–	–	–	–
PoE+ (802.3at) / PoE (802.3af)		–	–	Ports 1 - 8 (30W)	Ports 1 - 4 (30W)	–	Ports 1 - 4 (30W)	–
PoE Budget		–	–	125W	68W	–	60W	–
Power Supply		Internal	Internal	Internal	External	External	External	External
Rack Mountable		Yes	Yes	Yes	–	–	–	–
Fans		Fanless	Fanless	Fanless	Fanless	Fanless	Fanless	Fanless
Warranty		Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime




D-Link SMB Ethernet Switches		Unmanaged 10/100 Switches							
									
		DES-1026G	DES-1018MP	DES-1024D	DSS-16+	DES-1008PA	DES-108	DES-1005P	DES-105
Layer		L2	L2	L2	L2	L2	L2	L2	L2
FE Ports:	10/100 (RJ45)	24	16	24	16	8	8	5	5
1 GbE:	Combo (RJ45/SFP)	2	2	–	–	–	–	–	–
PoE+ (802.3at) / PoE (802.3af)		–	Ports 1 - 16 (15.4W)	–	–	Ports 1 - 4 (15.4W)	–	Ports 1 - 4 (30W)	–
PoE Budget		–	246.4W	–	–	58W	–	60W	–
Power Supply		Internal	Internal	Internal	Internal	External	External	External	External
Rack Mountable		Yes	Yes	Yes	Yes	–	–	–	–
Fans		Fanless	Smart Fans	Fanless	Fanless	Fanless	Fanless	Fanless	Fanless
Warranty		Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime



D-Link Accessories		Redundant Power Supplies		
				
		DPS-200A	DPS-500A	DPS-700
Output Power		60W	140W	589W
Mounting Options		DPS-800	DPS-800	19" Rack, 1U
Warranty		1-Year Limited	1-Year Limited	1-Year Limited







D-Link Accessories		Power Supply Chassis
		
		DPS-800
Number of RPS Slots		2
Use with		DPS-200A, DPS-500A
Warranty		1-Year Limited

D-Link Industrial Ethernet Switches		Smart Managed Layer 2 Industrial Switches				Unmanaged Layer 2 Industrial Switches		
								
		DIS-200G-12PSW	DIS-200G-12SW	DIS-200G-12PS	DIS-200G-12S	DIS-100G-5PSW	DIS-100G-5SW	DIS-100G-5W
Layer		L2	L2	L2	L2	L2	L2	L2
1 GbE Ports:	10/100/1000 (RJ45)	10	10	10	10	4	4	5
	Optical (SFP)	2	2	2	2	1	1	–
Console Port		RJ45 / RS-232	RJ45 / RS-232	RJ45 / RS-232	RJ45 / RS-232	–	–	–
PoE+ (802.3at) / PoE (802.3af)		Ports 1 - 8 (PoE+)	–	Ports 1 - 8 (PoE+)	–	Ports 1 - 4 (PoE+)	–	–
PoE Budget		240W	–	240W	–	120W	–	–
6kV Surge Protection		Yes	Yes	Yes	Yes	–	–	–
Operating Temperature Range		-40C to +75C	-40C to +75C	-40C to +65C	-40C to +65C	-40C to +75C	-40C to +75C	-40C to +75C
Warranty		Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime

D-Link Accessories		1GbE Optical Transceivers (SFP)				
						
		DEM-311GT	DIS-S301SX	DEM-310GT	DIS-S310LX	DGS-712
Speed		1000BASE-SX	1000BASE-SX	1000BASE-LX	1000BASE-LX	1000BASE-T
Form Factor		SFP	SFP	SFP	SFP	SFP
Media Type		MM Fiber	MM Fiber	SM Fiber	SM Fiber	UTP
Wavelength		850 nm	850 nm	1310 nm	1310 nm	N/A
Operating Temperature Range		0C to +70C	-40C to +85C	0C to +70C	-40C to +85C	0C to +70C
Warranty		2-Year Limited	2-Year Limited	2-Year Limited	2-Year Limited	2-Year Limited

D-Link Accessories		10GbE Optical Transceivers (SFP+)		
				
		DEM-431XT	DEM-432XT	DEM-410T
Speed / Form Factor		10GBASE-SR	10GBASE-LR	10GBASE-T
Form Factor		SFP+	SFP+	SFP+
Media Type		MM Fiber	SM Fiber	STP/UTP
Wavelength		850 nm	1310 nm	N/A
Operating Temperature Range		0C to +70C	0C to +70C	0C to +70C
Warranty		2-Year Limited	2-Year Limited	2-Year Limited

D-Link Accessories		40GbE Optical Transceivers (QSFP+)	
			
		DEM-QX01Q-SR4	DEM-QX10Q-LR4
Speed / Form Factor		40GBASE-SR	40GBASE-LR
Form Factor		QSFP+	QSFP+
Media Type		MM Fiber	SM Fiber
Wavelength		850 nm	Multiple
Operating Temperature Range		0C to +70C	0C to +70C
Warranty		2-Year Limited	2-Year Limited

D-Link Accessories		Cables (DQS-5000, DXS-5000/3600/3400 & DGS-3630/3130/1510)					
							
		DEM-CB300S	DEM-CB100S	DEM-CB300QXS	DEM-CB100QXS	DEM-CB100QXS-4XS	DEM-CB50CXP
Speed / Form Factor		10 Gbps / SFP+	10 Gbps / SFP+	40 Gbps / QSFP+	40 Gbps / QSFP+	40 Gbps / QSFP+ / SFP+	120 Gbps / CXP
Media Type		Twin-axial	Twin-axial	Twin-axial	Twin-axial	Twin-axial	Twin-axial
Warranty		2-Year Limited	2-Year Limited	2-Year Limited	2-Year Limited	2-Year Limited	2-Year Limited

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