

BUSINESS SWITCHING








Comparison Guide

D-Link[®]
FOR BUSINESS










Business Switching Comparison Guide






D-Link Enterprise Ethernet Switches		Fully Managed Layer 3 and Layer 2+ Switches						
								
	Layer	L2+ or L3	L2+ or L3	L2+	L2+	L2+ or L3	L2+ or L3	L2+ or L3
10 GbE Ports	10GBASE-T (RJ45)	4 (optional)	4 (optional)	20	–	–	–	–
	Optical (SFP+)	24 (or 32)	8 (or 16)	–	20	4	4	4
	Combo (RJ45/SFP+)	–	–	4	4	–	–	–
1 GbE Ports	10/100/1000 (RJ45)	8 (optional)	8 (optional)	–	–	44	–	20
	Optical (SFP)	–	–	–	–	–	20	–
	Combo (RJ45/SFP)	–	–	–	–	4	4	4
Add'l Ports:	40 Gbps (QSFP+)	4 (optional)	4 (optional)	–	–	–	–	–
	120 Gbps (CXP)	2 (optional)	–	–	–	–	–	–
	Console Port	RJ45/RS232	RJ45/RS232	RJ45/RS232 + USB	RJ45/RS232 + USB	RJ45/RS232 + USB	RJ45/RS232 + USB	RJ45/RS232 + USB
	Redundant Power Supply	DXS-PWR300AC	DXS-PWR300AC	DXS-PWR300AC	DXS-PWR300AC	DPS-500A	DPS-500A	DPS-500A
	Fans	3 Modular Fans	3 Modular Fans	3 Modular Fans	3 Modular Fans	2 Smart Fans	2 Smart Fans	2 Smart Fans
	MAC Address Table Size	128K	128K	48K	48K	68K	68K	68K
	Switching Capacity	960 Gbps	480 Gbps	480 Gbps	480 Gbps	176 Gbp	128 Gbp	128 Gbp
	Virtual Stacking	Up to 32 devices	Up to 32 devices	Up to 32 devices	Up to 32 devices	Up to 32 devices	Up to 32 devices	Up to 32 devices
	Physical Stacking	Up to 4 devices	Up to 4 devices	Up to 4 devices	Up to 4 devices	Up to 9 devices	Up to 9 devices	Up to 9 devices
	Full Duplex Stacking Bandwidth	480 Gbps	160 Gbps	80 Gbps	80 Gbps	80 Gbps	80 Gbps	80 Gbps
	Warranty	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime
	MSRP	\$ 11,919.99	\$ 7,579.99	\$ 7,999.99	\$ 6,299.99	\$ 4,699.99	\$ 3,299.99	\$ 2,799.99

D-Link Enterprise Ethernet Switches		Fully Managed Layer 2+ and Layer 2 Gigabit Switches						
								
	Layer	L2+	L2+	L2	L2	L2	L2	L2
10 GbE Ports:	Optical (SFP+)	4	4	–	–	–	–	–
	Copper (CX4)	–	–	2	2	2	2	–
1 GbE Ports:	10/100/1000 (RJ45)	48	20	44	44	20	20	8
	Combo (RJ45/SFP)	–	4	4	4	4	4	2
	Console Port	RJ45 / RS-232	RJ45 / RS-232	RJ45 / RS-232	RJ45 / RS-232	RJ45 / RS-232	RJ45 / RS-232	RJ45 / RS-232
	PoE+ (802.3at) / PoE (802.3af)	PoE+ (1-48)	PoE+ (1-24)	PoE+ (1-48)	–	PoE+ (1-24)	–	–
	PoE Budget (without RPS)	370W	370W	370W	–	370W	–	–
	PoE Budget (with RPS)	740W	740W	740W	–	740W	–	–
	Optional Redundant Power Supply	DPS-700	DPS-700	DPS-700	DPS-500A	DPS-700	DPS-200A	DPS-200A
	Fans	Smart Fans	Smart Fans	Smart Fans	Smart Fans	Smart Fans	Smart Fans	Smart Fan
	MAC Address Table Size	16K	16K	16K	16K	16K	16K	16K
	Switching Capacity	176 Gbps	128 Gbps	136 Gbps	136 Gbps	88 Gbps	88 Gbps	20 Gbps
	Virtual Stacking	Up to 32 devices	Up to 32 devices	Up to 32 devices	Up to 32 devices	Up to 32 devices	Up to 32 devices	Up to 32 devices
	Physical Stacking	Up to 12 devices	Up to 12 devices	Up to 6 devices	Up to 6 devices	Up to 6 devices	Up to 6 devices	–
	Full Duplex Stacking Bandwidth	40 Gbps	40 Gbps	40 Gbps	40 Gbps	40 Gbps	40 Gbps	–
	Warranty	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime
	MSRP	\$ 5,169.99	\$ 2,829.99	\$ 2,989.99	\$ 2,079.99	\$ 1,709.99	\$ 1,099.99	\$ 409.99

Smart Managed Layer 2+ Stackable Switches

D-Link Enterprise Ethernet Switches		Smart Managed Layer 2+ Stackable Switches						
								
		DGS-1510-52X	DGS-1510-52	DGS-1510-28XMP	DGS-1510-28P	DGS-1510-28X	DGS-1510-28	DGS-1510-20
Layer		L2+	L2+	L2+	L2+	L2+	L2+	L2+
10 GbE:	Optical (SFP+)	4	2	4	2	4	2	2
	1 GbE Ports:	10/100/1000 (RJ45)	48	48	24	24	24	24
	Optical (SFP)	–	2	–	2	–	2	2
Console Port		RJ45 / RS-232	RJ45 / RS-232	RJ45 / RS-232	RJ45 / RS-232	RJ45 / RS-232	RJ45 / RS-232	RJ45 / RS-232
PoE+ (802.3at)		–	–	PoE+ (1-24)	PoE+ (1-24)	–	–	–
PoE Budget		–	–	370W	193W	–	–	–
Optional Redundant Power Supply		–	–	–	–	–	–	–
Fans		Smart Fans	Smart Fans	Smart Fans	Smart Fans	Smart Fan	Smart Fan	Smart Fan
MAC Address Table Size		16K	16K	16K	16K	16K	16K	16K
Switching Capacity		176 Gbps	140 Gbps	128 Gbps	92 Gbps	128 Gbps	92 Gbps	76 Gbps
Virtual Stacking		Up to 32 devices	Up to 32 devices	Up to 32 devices	Up to 32 devices	Up to 32 devices	Up to 32 devices	Up to 32 devices
Physical Stacking		Up to 6 Devices	Up to 6 Devices	Up to 6 Devices	Up to 6 Devices	Up to 6 Devices	Up to 6 Devices	Up to 6 Devices
Full Duplex Stacking Bandwidth		40 Gbps	40 Gbps	40 Gbps	40 Gbps	40 Gbps	40 Gbps	40 Gbps
Warranty		Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime
MSRP		\$ 1,379.99	\$ 1,179.99	\$ 1,449.99	\$ 959.99	\$ 749.99	\$ 619.99	\$ 479.99

Fully Managed Layer 2+ and Layer 2 10/100 Switches

D-Link Enterprise Ethernet Switches		Fully Managed Layer 2+ and Layer 2 10/100 Switches				
						
		DES-3528	DES-3200-52P	DES-3200-52	DES-3200-28P	DES-3200-28
Layer		L2+	L2	L2	L2	L2
FE Ports:	10/100 (RJ45)	24	48	48	24	24
1 GbE Ports:	10/100/1000 (RJ45)	2	2	–	2	–
	Optical (SFP)	–	–	2	–	2
	Combo (RJ45/SFP)	2	2	2	2	2
Console Port		DB-9 / RS-232	RJ45 / RS-232	RJ45 / RS-232	RJ45 / RS-232	RJ45 / RS-232
PoE+ (802.3at) / PoE (802.3af)		–	PoE+ (1-8) / PoE (9-48)	–	PoE+ (1-4) / PoE (5-24)	–
PoE Budget		–	370W	–	188W	–
Optional Redundant Power Supply		DPS-200A	–	–	–	–
Fans		Fanless	Smart Fans	Smart Fans	Smart Fans	Fanless
MAC Address Table Size		16K	16K	16K	16K	16K
Switching Capacity		12.8 Gbps	17.6 Gbps	17.6 Gbps	12.8 Gbps	12.8 Gbps
Virtual Stacking		Up to 32 devices	Up to 32 devices	Up to 32 devices	Up to 32 devices	Up to 32 devices
Physical Stacking		Up to 8 devices	–	–	–	–
Full Duplex Stacking Bandwidth		4 Gbps	–	–	–	–
Warranty		Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime
MSRP		\$ 579.99	\$ 1,829.99	\$ 799.99	\$ 879.99	\$ 429.99

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
Layer		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
	Optical (SFP)	–	–	4	4	4	4
PoE+ (802.3at) / PoE (802.3af)		–	–	PoE+ (1-8) / PoE (9-48)	–	PoE+ (1-24)	PoE+ (1-4) / PoE (5-24)
PoE Budget		–	–	370W	–	370W	193W
Fans		Smart Fans	Smart Fans	Smart Fans	Smart Fans	Smart Fans	Smart Fans
Warranty		Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime
MSRP		\$ 2,299.99	\$ 1,699.99	\$ 1,099.99	\$ 599.99	Coming Soon	\$ 649.99

D-Link SMB Ethernet Switches

1210-Series Smart Managed Rackmount Switches









		DGS-1210-28	DGS-1210-10P	DGS-1210-10	DES-1210-52	DES-1210-28P	DES-1210-28
Layer		L2	L2	L2	L2	L2	L2
FE Ports:	10/100 (RJ45)	–	–	–	48	24	24
	10/100/1000 (RJ45)	24	–	8	2	2	2
1 GbE Ports:	Optical (SFP)	4	8	2	–	–	–
	Combo (RJ45/SFP)	–	2	–	2	2	2
	PoE+ (802.3at) / PoE (802.3af)	–	PoE+ (1-8)	–	–	PoE+ (1-4) / PoE (5-24)	–
PoE Budget		–	78W	–	–	193W	–
Fans		Fanless	Fanless	Fanless	Fanless	Smart Fans	Fanless
Warranty		Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime
MSRP		\$ 289.99	\$ 289.99	\$ 132.99	\$ 349.99	\$ 499.99	\$ 189.99







D-Link SMB Ethernet Switches







1100-Series Smart Managed Rackmount Switches







		DXS-1100-10TS	DGS-1100-26MP	DGS-1100-24P	DGS-1100-24	DGS-1100-10MP	DGS-1100-16
Layer		L2	L2	L2	L2	L2	L2
10 GbE Ports:	10GBASE-T (RJ45)	8	–	–	–	–	–
	Optical (SFP+)	2	–	–	–	–	–
1 GbE Ports:	10/100/1000 (RJ45)	–	24	24	24	8	16
	Combo (RJ45/SFP)	–	2	–	–	2	–
PoE+ (802.3at) / PoE (802.3af)		–	PoE+ (1-24)	PoE+ (1-12)	–	PoE+ (1-8)	–
PoE Budget		–	370W	100W	–	130W	–
Fans		Smart Fans	2 Fans	1 Fan	Fanless	1 Fan	Fanless
Warranty		Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime
MSRP		\$ 1,249.99	\$ 759.99	\$ 389.99	\$ 209.99	\$ 449.99	\$ 164.99








D-Link SMB Ethernet Switches		1100-Series Smart Managed Gigabit - Desktop Switches				Unmanaged Gigabit Switches	
							
		DGS-1100-08P	DGS-1100-08	DGS-1100-05PD	DGS-1100-05	DGS-1024D	DGS-1016D
Layer		L2	L2	L2	L2	L2	L2
1 GbE:	10/100/1000 (RJ45)	8	8	5	5	24	16
	PoE+ (802.3at) / PoE (802.3af)	PoE Ports 1-8	–	–	–	–	–
	PoE Budget	64W	–	–	–	–	–
	Power Supply	External	External	External	External	Internal	Internal
	Rack Mountable	–	–	–	–	Yes	Yes
	Fans	Fanless	Fanless	Fanless	Fanless	Fanless	Fanless
	MAC Address Table Size	4K	4K	2K	2K	8K	8K
	Switching Capacity	16 Gbps	16 Gbps	10 Gbps	10 Gbps	48 Gbps	32 Gbps
	Warranty	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime
	MSRP	\$ 239.99	\$ 54.99	\$ 99.99	\$ 44.99	\$ 164.99	\$ 134.99







D-Link SMB Ethernet Switches		Unmanaged Gigabit Switches			Unmanaged Fast Ethernet Switches		
							
		DGS-1008P	DGS-108	DGS-105	DES-1026G	DES-1018MP	DES-1024D
Layer		L2	L2	L2	L2	L2	L2
FE Ports:	10/100 (RJ45)	–	–	–	24	16	24
1 GbE Ports:	10/100/1000 (RJ45)	8	8	5	–	–	–
	Combo (RJ45/SFP)	–	–	–	2	2	–
	PoE+ (802.3at) / PoE (802.3af)	PoE+ Ports 1-4	–	–	–	PoE Ports 1-16	–
	PoE Budget	68W	–	–	2	246.4W	–
	Power Supply	External	External	External	Internal	Internal	Internal
	Rack Mountable	–	–	–	Yes	Yes	Yes
	Fans	Fanless	Fanless	Fanless	Fanless	Smart Fans	Fanless
	MAC Address Table Size	4K	8K	2K	8K	8K	8K
	Switching Capacity	16 Gbps	16 Gbps	10 Gbps	8.8 Gbps	7.2 Gbps	4.8 Gbps
	Warranty	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime
	MSRP	\$ 154.99	\$ 44.99	\$ 39.99	\$ 149.99	\$ 429.99	\$ 74.99

D-Link SMB Ethernet Switches		Unmanaged Fast Ethernet Switches					
							
		DSS-16+	DES-1008P+	DES-1008PA	DES-108	DES-1005P	DES-105
Layer		L2	L2	L2	L2	L2	L2
FE Ports:	10/100 (RJ45)	16	8	8	8	5	5
	PoE (802.3af)	–	PoE+ Ports 1-8	PoE Ports 1 - 4	–	PoE Port 1	–
	PoE Budget	–	140W	58W	–	15.4W	–
	Power Supply	Internal	Internal	External	External	External	External
	Rack Mountable	Yes	Yes	–	–	–	Desktop
	Fans	Fanless	Fanless	Fanless	Fanless	Fanless	Fanless
	MAC Address Table Size	8K	2K	1K	2K	2K	1K
	Switching Capacity	3.2 Gbps	1.6 Gbps	1.6 Gbps	1.6 Gbps	1.0 Gbps	1.0 Gbps
	Warranty	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime
	MSRP	\$ 59.99	\$ 219.99	\$ 79.99	\$ 29.99	\$ 64.99	\$ 24.99

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
MSRP	\$ 229.99	\$ 339.99	\$ 1,699.99

D-Link Accessories	Power Supply Chassis
	
	DPS-800
Number of RPS Slots	2
Use with	DPS-200A, DPS-500A
Warranty	1-Year Limited
MSRP	\$ 99.99

D-Link Accessories	Optical Transceivers (SFP / SFP+)					Cables (DGS-3120 Series)	
							
	DEM-310GT	DEM-311GT	DEM-431XT-DD	DEM-432XT-DD	DGS-712	DEM-CB300	DEM-CB100
Speed	Gigabit	Gigabit	10 GbE	10 GbE	1000BASE-T	10 Gbps	10 Gbps
Form Factor	SFP	SFP	SFP+	SFP+	SFP	CX4	CX4
Media Type	MM / SM Fiber	MM Fiber	MM Fiber	SM Fiber	UTP	Twin-axial	Twin-axial
Wavelength	1310 nm	850 nm	850 nm	1310 nm	N/A	N/A	N/A
Warranty	2-Year Limited	2-Year Limited	2-Year Limited	2-Year Limited	2-Year Limited	1-Year Limited	1-Year Limited
MSRP	\$ 119.99	\$ 99.99	\$ 499.99	\$ 699.99	\$ 74.99	\$ 162.99	\$ 122.99

D-Link Accessories	Cables (DXS-3600/3400 & DGS-3630/3620/3420/1510)					
						
	DEM-CB300S	DEM-CB100S	DEM-CB300QXS	DEM-CB100QXS	DEM-CB100QXS-4XS	DEM-CB50CXP
Speed	10 Gbps	10 Gbps	40 Gbps	40 Gbps	40 Gbps	120 Gbps
Form Factor	SFP+	SFP+	QSFP+	QSFP+	QSFP+ / SFP+	CXP
Media Type	Twin-axial	Twin-axial	Twin-axial	Twin-axial	Twin-axial	Twin-axial
Wavelength	N/A	N/A	N/A	N/A	N/A	N/A
Warranty	2-Year Limited	2-Year Limited	2-Year Limited	2-Year Limited	2-Year Limited	2-Year Limited
MSRP	\$ 109.99	\$ 94.99	\$ 529.99	\$ 327.99	\$ 396.99	\$ 216.99

Category Definitions for Fully Managed and Smart Managed Switches:

Layer 2	Layer 2+	Layer 3
<ul style="list-style-type: none"> Supports basic Layer 2 switching functionality. Configurable features typically include VLAN, QoS, Link Aggregation, IGMP Snooping, Port Mirroring, Spanning Tree, Bandwidth Limiting and more. 	<ul style="list-style-type: none"> Supports all L2 functions and adds "lite Layer 3" routing features. Typical L2+ features include Static Routing, Inter-VLAN routing, RIPv1/v2 and more. 	<ul style="list-style-type: none"> Supports all L2/L2+ functions and adds support for dynamic routing protocols. Typical L3 features include OSPF, BGP, VRF-Lite, L3 Multicast and more.

Call or visit us online for more information on the complete line of D-Link Switching solutions

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