



D-Link 48-port Gigabit Smart Managed Switch with 4 x 10G SFP+

Brand : D-Link

Product code: DGS-1250-52X/E

Product name : D-Link 48-port Gigabit Smart Managed Switch with 4 x 10G SFP+



- 48 x 10/100/1000BASE-T ports
- 4 x 10G SFP+ ports
- Lite L3 Static Routing
- Advanced security features, IMPB, 802.1X Authentication
- Dual Image & Configuration
- Supports STP/RSTP/MSTP
- Full CLI
- QoS Enablement
- 11 Web Languages

52-Port 10-Gigabit Smart Managed Switch

D-Link 48-port Gigabit Smart Managed Switch with 4 x 10G SFP+. Switch type: Managed, Switch layer:

L3. Basic switching RJ-45 Ethernet ports type: Gigabit Ethernet (10/100/1000), Basic switching RJ-45

Ethernet ports quantity: 48, Console port: RJ-45. MAC address table: 32000 entries, Switching capacity:

176 Gbit/s. Networking standards: IEEE 802.1D, IEEE 802.1Q, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w,

IEEE 802.3, IEEE 802.3ab, IEEE.... Rack mounting



Management features

Switch type *	Managed
Switch layer	L3
Quality of Service (QoS) support	✓
Web-based management	✓
ARP inspection	✓
Configuring Location Settings (CLI)	✓
System event log	✓

MIB support	RFC2893, RFC4213, RFC4291, RFC2464, RFC2462, RFC4862, RFC2461, RFC4861, RFC2573, RFC1321, RFC2284, RFC2865, RFC2716, RFC3580, RFC826, RFC2463, RFC4443, RFC792, RFC793, RFC768, RFC791, RFC2389, RFC4113, RFC4022, RFC2618, RFC2674, RFC1398, RFC1643, RFC1650, RFC2358, RFC2665, RFC2021, RFC271, RFC1757, RFC2819, RFC1442, RFC1901, RFC1902, RFC1903, RFC1904, RFC1905, RFC1906, RFC1907, RFC1908, RFC2578, RFC3418, RFC2573, RFC2575, RFC2576, RFC1212, RFC1213, RFC1215, RFC1493, RFC1157, RFC2620,
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Ports & interfaces

Basic switching RJ-45 Ethernet ports quantity *	48
Basic switching RJ-45 Ethernet ports type *	Gigabit Ethernet (10/100/1000)
SFP+ module slots quantity	4
Console port	RJ-45

Security

IGMP snooping	✓
Security algorithms	EAP, LEAP, MD5, PEAP, SSH, SSL/TLS, TTLS
Loop protection	✓
IP-MAC-Port binding	✓
Queue scheduling algorithms	Weighted Round Robin (WRR)

Multicast features

Multicast support	✓
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Design

Rack mounting *	✓
Product colour	Black
LED indicators	Activity, Link, Power, Speed
Electromagnetic compatibility	CE A, VCCI A, FCC A, IC, BSMI

Performance

Memory type	DDR3-SDRAM
Internal memory	2048 MB
Flash memory	64 MB
Noise level	50.7 dB
Mean time between failures (MTBF)	589984.72 h

Power

Power supply included *	✓
AC input voltage	100 - 240 V
Power consumption (max)	51.2 W

Power over Ethernet (PoE)

Power over Ethernet (PoE) *	✗
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Operational conditions

Operating temperature (T-T)	-5 - 50 °C
Storage temperature (T-T)	-20 - 70 °C
Operating relative humidity (H-H)	0 - 95%

Network		Operational conditions	
Networking standards *	IEEE 802.1D, IEEE 802.1Q, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.3, IEEE 802.3ab, IEEE 802.3ad, IEEE 802.3ae, IEEE 802.3az, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z	Storage relative humidity (H-H)	0 - 95%
		Heat dissipation	174.592 BTU/h
10G support *	✓	Weight & dimensions	
Flow control support	✓	Width	440 mm
Link aggregation	✓	Depth	210 mm
Broadcast storm control	✓	Height	44 mm
Auto MDI/MDI-X	✓	Weight	3.01 kg
Spanning tree protocol	✓	Packaging data	
Head-of-line (HOL) blocking	✓	Package width	351 mm
VLAN support	✓	Package depth	565 mm
Virtual LAN features	Voice VLAN	Package height	91 mm
Number of VLANs	4094	Package weight	4.28 kg
Optical fiber		Certificates	
Fiber ethernet cabling technology	100BASE-FX, 1000BASE-LHX, 1000BASE-X, 1000BASE-LX, 1000BASE-SX, 1000BASE-ZX	Certification	CB, UL, BSMI, CCC
Data transmission			
Switching capacity *	176 Gbit/s		
Forwarding rate	130.95 Mpps		
MAC address table *	32000 entries		
Static route	✓		
Number of static routes	124		
Jumbo frames support	✓		
Jumbo frames	12000		
Packet buffer memory	16 MB		
Security			
DHCP features	DHCP client, DHCP server, DHCP snooping		
Access Control List (ACL)	✓		
Access Control List (ACL) rules	768		



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