

Specifications

1000Base-T PoE Interface	24
Auto MDI/MDIX	Yes
Combo 1000Base-T/SFP	4
10/100/1000BASE-T PoE ports	24
Combo 10/100/1000BASE-T/SFP ports	4
Switch Capacity	56 Gbps
Max. Packet Forwarding Rate	41.7 Mpps
Store & Forwarding Forwarding	Yes
Dimension	440mm x 250 mm x 44mm
Weight	3.75 kg
Operation Temperature	-5 - 50°C
Storage Temperature	-20-70°C
Operation Humidity	0% - 95% RH

Storage Humidity	0% ~ 95% RH
Standby Power Consumption	19.6 W/100V / 16.6 W/240V
Operating Altitude	1500 meters
Maximum Power Consumption	PoE on 263.9 W/100 V 247.4 W/240 V PoE off 30.6 W/100 V 28.1 W/240 V
Maximum Heat Dissipation	900.36 BTU/hr (100 V) 844.23 BTU/hr (240 V)
MTBF	469,262 hours
Power Input	100-240 VAC
CPU Speed	500MHz
DRAM Size	DDR3 128MB
Flash Memory Size	32MB
Packet Buffer Size	4.1Mbits
FAN	Yes
Comply with RoHS 6	Yes
Energy Efficiency Ethernet (EEE)	Yes
Power Saving By Link Status	Yes

Power Saving By Cable Length	Yes
Power Saving By Port Shut-Off	Yes
Power Saving By System Hibernation	Yes
Time-based PoE	Yes
MAC Address Table Size	8K
Maximum PoE Budget	193W
PoE Budget	193 W
802.3x Flow Control	Yes
Head-of-line (HOL) Blocking Prevention	Yes
802.1w Rapid Spanning Tree (RSTP)	Yes
802.1s Multiple Spanning Tree (MSTP)	Yes
802.1D Spanning Tree (STP)	Yes
Root Restriction	Yes
802.3ad Link Aggregation	Yes
Max Port Per Link Aggregation Group	8

Link Aggregation Group Per Device	4
Port Mirroring	Yes
Jumbo Frame	10,000 Bytes
Loopback Detection (LBD)	Yes
IGMP Snooping	Yes
Max IGMP Snooping Groups	256
IGMP Snooping Fast Leave	Yes
MLD Snooping Fast Leave	Yes
MLD Snooping	Yes
MLD Snooping Groups	Yes
802.1Q VLAN	Yes
VLAN Groups	Yes
Port-based VLAN	Yes
Voice VLAN	Yes
Auto Surveillance VLAN	Yes
Asymmetric VLAN	Yes

IP Interface	Yes
ARP	Yes
Max Number of IP Interface	4
ARP Entries	Yes
IPv6 Neighbor Discovery (ND)	Yes
ND Entries	128
Default Route	Yes
Static Route	Yes
Class of Service (CoS)	Yes
Number of Queue	Yes
Strict Priority Queue (SPQ)	Yes
Weighted Round Robin (WRR)	Yes
Port-based Bandwidth Control	Yes
Max Access Control List (ACL) Entries	Yes
MAC Access List	Yes
IPv6 Access List	Yes

IP Access List	Yes
SSH	Yes
SSL	Yes (only support TLS 1.0)
Port Security	Yes
Broadcast/Multicast/Unicast Storm Control	Yes
Traffic Segmentation	Yes
Smart IP-MAC-Port Binding (Smart IMPB)	Yes
D-Link Safeguard Engine	Yes
DHCP Server Screening	Yes
ARP Spoofing Prevention	Yes
DoS Attack Prevention	Yes
802.1X	Yes
Port based 802.1X Authentication	Yes
Authentication for Management Access	Yes
RADIUS	Yes

Trusted Host	Yes
Simple Network Time Protocol (SNTP)	Yes
Cable Diagnostics	Yes
Web-based GUI	Yes
Command Line Interface (CLI)	Yes (Limited CLI via telnet)
Telnet Server	Yes
SNMP	Yes
SNMP Trap	Yes
TFTP Client	Yes
System Log	Yes
RMONv1	Yes
LLDP	Yes
LLDP-MED	Yes
D-Link Discover Protocol (DDP)	Yes (v0.26)
DHCP/BootP Client	Yes
DHCP relay	Yes

Dual Images	Yes
Dual Configurations	Yes
Debug Command	Yes
Ping	Yes
D-Link Network Assistant	Yes (Chrome edition)
Smart Wizard	Yes