

## Specifications

<b>1000Base-T Interface</b>	24
<b>10G SFP+ Interface</b>	4
<b>Auto MDI/MDIX</b>	Yes
<b>Console Port</b>	Yes
<b>10/100/1000BASE-T ports</b>	24
<b>10G SFP+ ports</b>	4
<b>Max. Packet Forwarding Rate</b>	95.24 Mpps
<b>Switch Capacity</b>	128 Gbps
<b>Dimension</b>	440mm x 210mm x 44mm
<b>Weight</b>	2.00 kg
<b>Operation Temperature</b>	-5 -50°C
<b>Storage Temperature</b>	-20-70°C



<b>Storage Humidity</b>	0% ~ 95% RH
<b>Maximum Power Consumption</b>	22.3 W
<b>Standby Power Consumption</b>	14.6 W/100V, 15.2 W/240V
<b>Maximum Heat Dissipation</b>	76.04 BTU/hr
<b>Acoustic</b>	42.7 dB(A)
<b>MTBF</b>	516,593 hours
<b>Power Input</b>	100 - 240 VAC
<b>CPU Speed</b>	400MHz
<b>DRAM Size</b>	256MB
<b>Flash Memory Size</b>	32MB
<b>Packet Buffer Size</b>	1.5MB
<b>FAN</b>	1 DC Fan
<b>Comply with RoHS 6</b>	Yes
<b>Energy Efficiency Ethernet (EEE)</b>	Yes
<b>Power Saving By Link Status</b>	Yes



<b>Off</b>	
<b>Power Saving By Port Shut-Off</b>	Yes
<b>Power Saving By System Hibernation</b>	Yes
<b>Physical Stacking</b>	Yes
<b>Physical Stacking Bandwidth</b>	40 G
<b>Units Per Physical Stack</b>	6
<b>D-Link Single IP Management (SIM)</b>	Yes
<b>Units Per SIM Stack</b>	32
<b>MAC Address Table Size</b>	16384
<b>Black Hole MAC Address</b>	Yes
<b>802.3x Flow Control</b>	Yes
<b>Head-of-line (HOL) Blocking Prevention</b>	Yes
<b>802.1D Spanning Tree (STP)</b>	Yes
<b>802.1w Rapid Spanning Tree (RSTP)</b>	Yes



<b>Root Restriction</b>	Yes
<b>G.8032 ERPS</b>	Yes
<b>802.1AX Link Aggregation</b>	Yes
<b>802.3ad Link Aggregation</b>	Yes
<b>Link Aggregation Group Per Device</b>	32
<b>Max Port Per Link Aggregation Group</b>	8
<b>Port Mirroring</b>	Yes
<b>Flow-based (ACL) mirroring</b>	Yes
<b>Jumbo Frame</b>	9216
<b>Loopback Detection (LBD)</b>	Yes
<b>IGMP Snooping</b>	Yes
<b>Max IGMP Snooping Groups</b>	512
<b>IGMP Snooping Fast Leave</b>	Yes
<b>IGMP Proxy Reporting</b>	Yes
<b>MLD Snooping</b>	Yes



<b>MLD Snooping Fast Leave</b>	Yes
<b>MLD Proxy Reporting</b>	Yes
<b>802.1Q VLAN</b>	Yes
<b>VLAN Groups</b>	4094
<b>Port-based VLAN</b>	Yes
<b>802.1v Protocol-based VLAN</b>	Yes
<b>MAC-based VLAN</b>	Yes
<b>Voice VLAN</b>	Yes
<b>Auto Surveillance VLAN</b>	Yes, 2.1
<b>GVRP</b>	Yes
<b>Asymmetric VLAN</b>	Yes
<b>IP Interface</b>	Yes
<b>Max Number of IP Interface</b>	16
<b>ARP</b>	Yes
<b>ARP Entries</b>	512



<b>ND Entries</b>	Yes
<b>UDP Helper</b>	Yes
<b>Default Route</b>	Yes
<b>Static Route</b>	Yes
<b>Number of Queue</b>	8
<b>Class of Service (CoS)</b>	Yes
<b>Remark 802.1p priority</b>	Yes
<b>Remark ToS/DSCP</b>	Yes
<b>Rate Limiting</b>	Yes
<b>Queue Handling</b>	Yes
<b>Strict Priority Queue (SPQ)</b>	Yes
<b>Weighted Round Robin (WRR)</b>	Yes
<b>Deficit Round Robin (DRR)</b>	Yes
<b>SPQ + WRR</b>	Yes
<b>Port-based Bandwidth Control</b>	Yes
<b>Max Access Control List</b>	



<b>MAC Access List</b>	Yes
<b>IP Access List</b>	Yes
<b>IPv6 Access List</b>	Yes
<b>Time based ACL</b>	Yes
<b>SSH</b>	Yes
<b>SSL</b>	Yes
<b>Port Security</b>	Yes
<b>Broadcast/Multicast/Unicast Storm Control</b>	Yes
<b>Traffic Segmentation</b>	Yes
<b>IP Source Guard</b>	Yes
<b>DHCP Snooping</b>	Yes
<b>IPv6 Snooping</b>	Yes
<b>Dynamic ARP Inspection (DAI)</b>	Yes
<b>DHCPv6 Guard</b>	Yes
<b>IPv6 Route Advertisement (RA) Guard</b>	Yes



<b>Duplicate Address Detection (DAD)</b>	Yes
<b>D-Link Safeguard Engine</b>	Yes
<b>DHCP Server Screening</b>	Yes
<b>ARP Spoofing Prevention</b>	Yes
<b>BPDU Attack Protection</b>	Yes
<b>DoS Attack Prevention</b>	Yes
<b>802.1X</b>	Yes
<b>Port based 802.1X Authentication</b>	Yes
<b>Host based 802.1X Authentication</b>	Yes
<b>Identity Driven 802.1X Policy Assignment</b>	Yes
<b>Web-based Access Control (WAC)</b>	Yes
<b>Port based WAC Authentication</b>	Yes
<b>Identity Driven WAC Policy Assignment</b>	Yes
<b>Host based WAC Authentication</b>	Yes





<b>Japanese Web-based Access Control (JWAC)</b>	Yes
<b>Host based JWAC Authentication</b>	Yes
<b>Port based JWAC Authentication</b>	Yes
<b>Identity Driven JWAC Policy Assignment</b>	Yes
<b>Port based MAC Authentication</b>	Yes
<b>MAC-based Access Control (MAC)</b>	Yes
<b>Host based MAC Authentication</b>	Yes
<b>Identity Driven MAC Policy Assignment</b>	Yes
<b>Guest VLAN</b>	Yes
<b>Compound Authentication</b>	Yes
<b>Authentication for Management Access</b>	Yes
<b>Privilege Level for Management Access</b>	5
<b>RADIUS</b>	Yes



<b>TACACS+</b>	Yes
<b>TACACS+ Accounting</b>	Yes
<b>Cable Diagnostics</b>	Yes
<b>Optical Transceiver Digital Diagnostic Monitoring (DDM)</b>	Yes
<b>Network Time Protocol (NTP)</b>	Yes
<b>Simple Network Time Protocol (SNTP)</b>	Yes
<b>Web-based GUI</b>	Yes
<b>Command Line Interface (CLI)</b>	Yes
<b>Telnet Server</b>	Yes
<b>Telnet Client</b>	Yes
<b>SNMP</b>	Yes
<b>SNMP Trap</b>	Yes
<b>TFTP Client</b>	Yes
<b>ZModem</b>	Yes



<b>RMONv1</b>	Yes
<b>LLDP</b>	Yes
<b>LLDP-MED</b>	Yes
<b>D-Link Discover Protocol (DDP)</b>	Yes (v0.25)
<b>DHCP/BootP Client</b>	Yes
<b>DHCP Auto-configuration</b>	Yes
<b>DHCP relay</b>	Yes
<b>Flash file system</b>	Yes
<b>Multiple Images</b>	Yes
<b>Multiple Configurations</b>	Yes
<b>Editable Login Banner</b>	Yes
<b>Editable System Prompt</b>	Yes
<b>DNS Client</b>	Yes
<b>Debug Command</b>	Yes
<b>Password Encryption</b>	Yes
<b>Ping</b>	Yes



<b>sFlow</b>	Yes
<b>D-Link Network Assistant</b>	Yes
<b>Smart Wizard</b>	Yes
<b>SSH</b>	Yes
<b>SSL</b>	Yes
<b>Store-and-Forwarding</b>	Yes

