

D-Link DGS 1510 28MXP



D-Link

Cable Diagnostics	Yes
Optical Transceiver Digital Diagnostic Monitoring (DDM)	Yes
Network Time Protocol (NTP)	Yes
Simple Network Time Protocol (SNTP)	Yes
Web-based GUI	Yes
Command Line Interface (CLI)	Yes
Telnet Server	Yes
Telnet Client	Yes
SNMP	Yes
SNMP Trap	Yes
TFTP Client	Yes
ZModem	Yes
System Log	Yes
RMONv1	Yes
LLDP	Yes

LLDP-MED

Yes

D-Link Discover Protocol (DDP)

Yes (v0.25)

DHCP/BootP Client

Yes

DHCP Auto-configuration

Yes

Flash file system

Yes

Multiple Images

Yes

Multiple Configurations

Yes

Editable Login Banner

Yes

Editable System Prompt

Yes

DNS Client

Yes

Debug Command

Yes

Password Encryption

Yes

Ping

Yes

Traceroute

Yes

sFlow

Yes

D-Link Network Assistant

Yes

Smart Wizard

Yes

DHCP relay

Yes

SSH

Yes

SSL

Yes

1000Base-T PoE Interface

24

Console Port

Yes

10G SFP+ ports	4
Auto MDI/MDIX	Yes
10G SFP+ Interface	4
Max. Packet Forwarding Rate	95.24 Mpps
Switch Capacity	128 Gbps
Store & Forwarding Forwarding	Yes
Maximum Heat Dissipation	1,487.78 BTU/hr
Operation Humidity	0% ~ 95% RH
Storage Humidity	0% ~ 95% RH
Maximum Power Consumption	436.3 W (PoE on) 38.4 W (PoE off)
Acoustic	56.9 dB(A)
Weight	4.25 kg
Operation Temperature	-5 -50°C
MTBF	274,796 hours
Storage Temperature	-20-70°C
Dimension	440mm x 308.50mm x 44mm
Standby Power Consumption	24.5W/100V , 28.2 W/240V
Power Input	100 - 240 VAC
DRAM Size	256MB
Packet Buffer Size	1.5MB
Flash Memory Size	32MB

FAN	2 DC Fan
CPU Speed	400MHz
Power Saving By System Hibernation	Yes
Energy Efficiency Ethernet (EEE)	Yes
Time-based PoE	Yes
Comply with RoHS 6	Yes
Power Saving By Link Status	Yes
Power Saving By LED Shut-Off	Yes
Power Saving By Port Shut-Off	Yes
Maximum PoE Budget	370W
PD Alive	Yes
PoE Budget	370 W
Physical Stacking	Yes
Physical Stacking Bandwidth	40 G
Units Per Physical Stack	6
Units Per SIM Stack	32
D-Link Single IP Management (SIM)	Yes
MAC Address Table Size	16384
Black Hole MAC Address	Yes
Head-of-line (HOL) Blocking Prevention	Yes
802.3x Flow Control	Yes
802.1s Multiple Spanning Tree (MSTP)	Yes

802.1w Rapid Spanning Tree (RSTP)

Yes

Root Restriction

Yes

802.1D Spanning Tree (STP)

Yes

G.8032 ERPS

Yes

802.3ad Link Aggregation

Yes

802.1AX Link Aggregation

Yes

Link Aggregation Group Per Device

32

Max Port Per Link Aggregation Group

8

Port Mirroring

Yes

Flow-based (ACL) mirroring

Yes

Loopback Detection (LBD)

Yes

Jumbo Frame

9216

IGMP Snooping

Yes

Max IGMP Snooping Groups

512

IGMP Snooping Fast Leave

Yes

IGMP Proxy Reporting

Yes

MLD Snooping

Yes

MLD Snooping Groups

Yes

MLD Snooping Fast Leave

Yes

MLD Proxy Reporting

Yes

Asymmetric VLAN

Yes

Auto Surveillance VLAN

Yes, 2.1

802.1v Protocol-based VLAN

Yes

802.1Q VLAN

Yes

Port-based VLAN

Yes

VLAN Groups

4094

MAC-based VLAN

Yes

Voice VLAN

Yes

GVRP

Yes

IP Interface

Yes

Max Number of IP Interface

16

ARP

Yes

ARP Entries

512

Gratuitous ARP

Yes

ND Entries

Yes

UDP Helper

Yes

Static Route

Yes

Default Route

Yes

SPQ + WRR

Yes

Queue Handling

Yes

Deficit Round Robin (DRR)

Yes

Strict Priority Queue (SPQ)

Yes

Weighted Round Robin (WRR)

Yes

IPv6 Route Advertisement (RA) Guard

Yes

IPv6 ND Inspection

Yes

DoS Attack Prevention

Yes

Traffic Segmentation

Yes

Duplicate Address Detection (DAD)

Yes

Port Security

Yes

Dynamic ARP Inspection (DAI)

Yes

SSL

Yes

BPDU Attack Protection

Yes

Broadcast/Multicast/Unicast Storm Control

Yes

DHCP Snooping

Yes

DHCP Server Screening

Yes

IPv6 Snooping

Yes

DHCPv6 Guard

Yes

IP Source Guard

Yes

D-Link Safeguard Engine

Yes

SSH

Yes

ARP Spoofing Prevention

Yes