

D-Link DGS 1510 52X



D-Link

Dimension	440mm x 210mm x 44mm
Weight	3.1Kg
Operation Temperature	-5 -50°C
Storage Temperature	-20-70°C
Operation Humidity	0% ~ 95% RH
Storage Humidity	0% ~ 95% RH
Maximum Power Consumption	48 W
Standby Power Consumption	30.4Watt/100V 30.3Watt/240V
Maximum Heat Dissipation	163.68 BTU/hr
Acoustic	49.7 dB(A)
MTBF	423,302 hours
Power Input	100 - 240 VAC
Packet Buffer Size	3MB
FAN	1 DC fan
CPU Speed	400MHz
Flash Memory Size	32MB

DRAM Size	256MB
Physical Stacking	Yes
Physical Stacking Bandwidth	40 G
Units Per Physical Stack	6
D-Link Single IP Management (SIM)	Yes
Units Per SIM Stack	32
Black Hole MAC Address	Yes
MAC Address Table Size	16384
802.3x Flow Control	Yes
Head-of-line (HOL) Blocking Prevention	Yes
MAC-based VLAN	Yes
Auto Surveillance VLAN	Yes, 2.1
VLAN Groups	4094
802.1Q VLAN	Yes
Port-based VLAN	Yes
Voice VLAN	Yes
802.1v Protocol-based VLAN	Yes
GVRP	Yes
Asymmetric VLAN	Yes
Default Route	Yes
Static Route	Yes

Remark ToS/DSCP

Yes

Rate Limiting

Yes

Remark 802.1p priority

Yes

Queue Handling

Yes

Strict Priority Queue (SPQ)

Yes

Weighted Round Robin (WRR)

Yes

Deficit Round Robin (DRR)

Yes

SPQ + WRR

Yes

Port-based Bandwidth Control

Yes

MAC Access List

Yes

IPv6 Access List

Yes

Time based ACL

Yes

IP Access List

Yes

Max Access Control List (ACL) Entries

Yes

10/100/1000BASE-T ports

48

Console Port

Yes

1000Base-T Interface

48

Auto MDI/MDIX

Yes

10G SFP+ Interface

4

Switch Capacity

176 Gbps

Max. Packet Forwarding Rate

130.95 Mpps

Store & Forwarding Forwarding

Yes

Power Saving By System Hibernation

Yes

Comply with RoHS 6

Yes

Energy Efficiency Ethernet (EEE)

Yes

Power Saving By Link Status

Yes

Power Saving By LED Shut-Off

Yes

Power Saving By Port Shut-Off

Yes

802.1w Rapid Spanning Tree (RSTP)

Yes

802.1s Multiple Spanning Tree (MSTP)

Yes

Root Restriction

Yes

802.1D Spanning Tree (STP)

Yes

G.8032 ERPS

Yes

Link Aggregation Group Per Device

32

802.3ad Link Aggregation

Yes

Max Port Per Link Aggregation Group

8

802.1AX Link Aggregation

Yes

Port Mirroring

Yes

Flow-based (ACL) mirroring

Yes

Jumbo Frame

9216

Loopback Detection (LBD)

Yes

IGMP Proxy Reporting

Yes

MLD Snooping

Yes

IGMP Snooping Fast Leave

Yes

MLD Snooping Groups

Yes

MLD Snooping Fast Leave

Yes

MLD Proxy Reporting

Yes

Max IGMP Snooping Groups

512

IGMP Snooping

Yes

IP Interface

Yes

Max Number of IP Interface

16

ARP

Yes

ARP Entries

512

Gratuitous ARP

Yes

ND Entries

Yes

UDP Helper

Yes

Number of Queue

8

Class of Service (CoS)

Yes

Port Security

Yes

ARP Spoofing Prevention

Yes

IPv6 Snooping

Yes

SSH

Yes

Broadcast/Multicast/Unicast Storm Control

Yes

DHCP Snooping

Yes

BPDU Attack Protection

Yes

IPv6 Route Advertisement (RA) Guard

Yes

Dynamic ARP Inspection (DAI)

Yes

D-Link Safeguard Engine

Yes