

D-Link DGS-1510-52XMP Stackable PoE switch

LAN (1Gb/s): 48 port, SFP+: 4db, menedzselhető, energiafelhasználás: 487W, szürke-fekete

Cikkszám: DGS-1510-52XMP

Ár:

804 880 Ft



Garancia: 5 Év

Hardware version

Port Standards & Functions

Number of Ports

Network Cables

Full/Half Duplex

Media Interface Exchange

Switching Capacity

Transmission Method

MAC Address Table

MAC Address Update

Maximum 64 bytes Packet

Forwarding Rate

Packet Buffer Memory

PoE Standard

PoE Capable Ports Ports

PoE Power Budget

AC Input

Maximum Power Consumption

Standby Power Consumption

Smart Fan Quantity

Acoustics

Heat Dissipation

Operation Temperature

Storage Temperature

Operation Humidity

Storage Humidity

Dimensions

General

A1

- IEEE 802.3 10BASE-T Ethernet
 - IEEE 802.3u 100BASE-TX Fast Ethernet
 - IEEE 802.3ab 1000BASE-T Gigabit Ethernet
 - 802.3ae 10 GbE
 - IEEE 802.3x Flow Control for Full-Duplex Mode
 - Auto-negotiation
- 48 10/100/1000 Mbps PoE capable, 4 10G SFP+
- UTP Cat. 5, Cat. 5e (100 m max.) EIA/TIA-568 100-ohm STP (100 m max.)
 - Full/half duplex for 10/100 Mbps and Gigabit speed
 - Auto or configurable MDI/MDIX

Performance

176 Gbps

- Store-and-forward
- 16,000 entries per device
- Up to 512 static MAC entries,
- Enable/disable auto-learning of MAC addresses

130.95 Mpps

3 MB per device

IEEE 802.3af, 802.3at

1 to 48: up to 30 W

Max 370 W (without DPS-700); Max. 740W (with DPS-700)

Physical & Environmental

- 100 to 240 VAC 50/60 Hz internal universal power supply
- 486.9 W (PoE on), 58.8 W (PoE off)
- 40.1 W

55.4 dB(A)

1660.33 BTU/hr

- 23 to 122 °F (-5 to 50 °C)
- -4 to 158 °F (-20 to 70°C)
- 0% to 95% non-condensing
- 0% to 95% non-condensing
- 17.36 x 9.84 x 1.73 inches (440 x 250 x 44 mm)

Weight	• 19" standard rack mounting width; 1U 11.93 lbs (5.41 kg)
Diagnostic LEDs	• Power/Stacking ID/Fan (per device), • Link/Activity/Speed (per 10/100/1000 Mbps port), • Link/Activity/Speed (per Gigabit SFP port), • Link/Activity/Speed (per 10G SFP+ port)
Certifications	• CE, FCC, C-Tick, VCCI, BSMI, CCC • IPv6 Ready Logo Phase 2 (DGS-1510-20/-28/-28X/-28P/-28XMP only)
Safety	• cUL, CB
MTBF	416,789 hr.

Software Features

Stackability	• Virtual Stacking Support • D-Link Single IP Management • Up to 32 devices per virtual stack • Up to 20G stacking bandwidth • Physical Stacking • Supports Duplex Chain/Ring topology • Up to 40G stacking bandwidth full duplex • Up to 6 units per stack • MAC Address Table: up to 16,384 • Flow Control • 802.3x Flow Control • HOL Blocking Prevention • Jumbo Frame up to 9,216 Bytes • IGMP Snooping • IGMP v1/v2 Snooping • IGMP v3 awareness • Supports 512 IGMP groups • Supports 128 static multicast addresses • IGMP per VLAN • Supports IGMP Snooping Querier • Host-based IGMP Snooping Fast Leave
L2 Features	• MLD Snooping • Supports MLD v1/v2 awareness • Supports 512 groups • Supports 128 Static Multicast Addresses • Per VLAN MLD Snooping • Host-based MLD Fast Leave • MLD Snooping Querier • Spanning Tree Protocol • 802.1D STP • 802.1w RSTP • 802.1s MSTP • Loopback Detection • 802.3ad Link Aggregation • Max. 32 groups per device/8 ports per group • Port Mirroring • Support 4 mirroring groups • One-to-one, many-to-one, flow-based (ACL) mirroring • Multicast Filtering • Forwards all unregistered groups • Filters all unregistered groups • ERPS (Ethernet Ring Protection Switching) • 802.1Q Tagged VLAN • 4K VLAN Groups • Configurable VID: 0~4094 • GVRP
VLAN	• Asymmetric VLAN

- Auto Voice VLAN
- Auto Surveillance VLAN
- MAC-based VLAN
- Protocol-based VLAN
- CoS based on
 - 802.1p priority
 - VLAN
 - MAC address
 - Ether type
 - IP address
 - DSCP
 - Protocol type
 - TCP/UDP port number
 - DSCP of IPv6 Traffic Class
 - IPv6 flow label
- 802.1p Quality of Service
- Queue Handling
 - Strict Priority Queue (SPQ)
 - Weighted Round Robin (WRR)
 - Deficit Round Robin (DRR)
 - SPQ + WRR
- 8 queues per port
- Bandwidth Control
 - Port-based (Ingress/Egress, min. granularity for 10/100/1000 BASE-T ports is 64 Kb/s)

Quality of Service (QoS)

- ARP
 - 256 Static ARP
 - Supports Gratuitous ARP
- IPv6 Neighbor Discovery (ND)
- 16 IP Interfaces
- Default Routing
- Static Routing
 - 64 IPv4 Static Route Entries
 - 32 IPv6 Static Route Entries
- UDP helper
- ACL based on
 - 802.1p priority
 - VLAN
 - MAC address
 - Ether type
 - IP address
 - DSCP
 - Protocol type
 - TCP/UDP port number
 - DSCP of IPv6 Traffic Class
 - IPv6 flow label

L3 Features

Access Control List (ACL)

- ACL Actions
 - Permit
 - Deny
- Max. 256 access list
- Max. 768 rules
- Single or multiple ports (each rule)
- Time-based ACL
- ACL Statistics
- Port Security
 - Supports up to 128 MAC addresses per port
- Broadcast/Multicast/Unicast Storm Control
- Dynamic ARP Inspection
- D-Link Safeguard Engine

- DHCP Server Screening
- ARP Spoofing Prevention
 - Max. 64 entries
- SSH
 - Supports v2
 - Supports IPv4/IPv6
- BPDU Attack Protection
- DoS Attack Prevention
- SSL
 - Supports v1/v2/v3
 - Supports IPv4/IPv6
- Traffic Segmentation
- IP-MAC-Port Binding
 - DHCP snooping
 - IP Source Guard
 - Dynamic ARP inspection
 - IPv6 DHCP Guard
 - IPv6 RA Guard
 - IPv6 Snooping
 - IPv6 Source Guard
 - IPv6 ND Inspection

Optional Gigabit SFP Transceivers

- DEM-310GT 1000BASE-LX Transceiver, single-mode, 10 km
- DEM-311GT 1000BASE-SX Transceiver, multimode, 550 m
- DGS-712 1000BASE-T to SFP Transceiver

Optional 10GbE SFP+ Transceivers

- DEM-431XT 10GBASE-SR Multimode SFP+ Optical Transceiver, 0 to 70C
- DEM-431XT-DD 10GBASE-SR Multimode SFP+ Optical Transceiver with DDM, 0 to 70C
- DEM-432XT 10GBASE-LR Single-mode SFP+ Optical Transceiver, 0 to 70C
- DEM-432XT-DD 10GBASE-LR Single-mode SFP+ Optical Transceiver with DDM, 0 to 70C

Optional SFP+ Direct Attach Copper Stacking Cables

- DEM-CB100S 10-GbE SFP+ 1 m Direct Attach Cable
- DEM-CB300S 10-GbE SFP+ 3 m Direct Attach Cable

Optional Redundant Power Supplies

- DPS-700 AC Redundant Power Supply for DGS-1510-52XMP only