

Product Highlights

10 Gigabit Ethernet Connection

The DXS-1210-28T/28S are both high-port 10G switches, perfect choices for an SMB core switch or an Enterprise aggregation switch

Server Farm

The DXS-1210-28T features 4 x 10 G/25 Gbps uplink ports, ideal for a server farm top-of-rack (ToR)

Layer 3 Lite Functions

Wired speed inter-VLAN routing helps by reducing the pressure of routers and backbone networks, improving overall network efficiency



DXS-1210-28T/28S

10 Gigabit Ethernet Smart Managed Switches

Features

High Availability and Flexibility

- 24 x 10GBASE-T or SFP+ ports
- 4 x 25G SFP28 or 10GBASE-T uplink ports

Security Features

- Access Control List
- IP-MAC-Port Binding
- Clientless MAC/Web Access Control
- D-Link Safeguard Engine
- Port Security
- ARP Spoofing Prevention

Intuitive Management

- D-Link Network Assistant utility or Web-based GUI
- Built-in SNMP MIB for remote NMS (D-View 7)
- Full CLI through console and Telnet

Advanced Features

- Auto Surveillance VLAN
- Auto Voice VLAN
- Loopback Detection
- Cable Diagnostics
- Static Route
- LLDP/LLDP-MED

The DXS-1210-28T/28S 10 Gigabit Ethernet Smart Managed Switches are a cost-effective 10 Gigabit switches capable of servicing a range of network needs in any business environment. The DXS-1210-28T is equipped with 4 x 10/25G SFP28 ports, enabling this series to serve as either an aggregation/access switch in large enterprise environments or deployed at the core of an SMB network. With high performance and low latency, these 10G smart-managed switches fulfil the needs of virtualisation, cloud services, and server-to-server applications.

The DXS-1210-28T/28S comes with a complete line-up of L2 features, including port mirroring, Spanning Tree Protocol (STP), and Link Aggregation Control Protocol (LACP). At the same time, inter-VLAN static routing helps by reducing the pressure of routers and backbone networks, improving overall network efficiency. The free D-Link Network Assistant utility allows multiple D-Link devices within the same L2 network to be discovered and managed. These switches also provide management through the multi-lingual web UI, a full command-line interface (CLI) through Telnet, a console port, as well as D-View 7 Network Management System.

D-Link Assist

Next Business Day Service

Your network is the backbone of your business. Keeping it running is essential, even if the unexpected happens. D-Link Assist is a rapid-response technical support service that replaces faulty equipment quickly and efficiently. Maximising your uptime and giving you the confidence that instant support is only a phone call away.

All D-Link products with 5-year or Limited Lifetime warranty come with complimentary Next Business Day Service. D-Link will send out a replacement product to you on the next business day after acceptance of a product failure. On receipt of the replacement product, you simply arrange the return of the defective product to us. Any products with a 2-year/3-year warranty can also benefit from the Next Business Day advance replacement service when the optional 3-year warranty extension has been purchased.

Find out more at eu.dlink.com/services

10 Gigabit Ethernet Smart Managed Switches

Technical Specifications

| General | DXS-1210-28T | DXS-1210-28S |
|--------------------------------|---|---|
| Ports | <ul style="list-style-type: none"> • 24 x 10GBASE-T ports • 4 x 10/25G SFP28 ports | <ul style="list-style-type: none"> • 24 x 10G SFP+ ports • 4 x 10GBASE-T ports |
| Console Port | <ul style="list-style-type: none"> • RJ-45 console port | |
| Port Standard & Functions | <ul style="list-style-type: none"> • IEEE 802.3u 100BASE-TX Fast Ethernet • IEEE 802.3ab 1000BASE-T Gigabit Ethernet • IEEE 802.3az Energy Efficiency Ethernet (EEE) • IEEE 802.3an 10GBASE-T 10 Gigabit Ethernet | <ul style="list-style-type: none"> • IEEE 802.3ae 10GbE over fiber • IEEE 802.3z 1000BASE-X • Auto MDI/MDIX support for 1000/10GBASE-T |
| Network Cables for 10GBASE-T | <ul style="list-style-type: none"> • Cat. 6 (30 m max) • Cat. 6A or Cat. 7 (100 m max) | |
| Media Interface Exchange | <ul style="list-style-type: none"> • Auto MDI/MDIX adjustment for all twisted-pair ports | |
| Performance | | |
| Switching Capacity | <ul style="list-style-type: none"> • 680 Gbps | <ul style="list-style-type: none"> • 560 Gbps |
| Maximum Packet Forwarding Rate | <ul style="list-style-type: none"> • 505.92 Mpps | <ul style="list-style-type: none"> • 416.64 Mpps |
| Transmission Method | <ul style="list-style-type: none"> • Store-and-forward | |
| MAC Address Table | <ul style="list-style-type: none"> • Up to 32,000 entries per device | |
| Physical/Environmental | | |
| Acoustic | <ul style="list-style-type: none"> • Fan at high speed: 51.9 dB(A) • Fan at low speed: 40.0 dB(A) | <ul style="list-style-type: none"> • Fan at high speed: 52.3 dB(A) • Fan at low speed: 40.2 dB(A) |
| Fans | <ul style="list-style-type: none"> • 2 x Smart Fan | |
| AC Input | <ul style="list-style-type: none"> • 100 to 240 VAC | |
| Max Power Consumption | <ul style="list-style-type: none"> • 87.3 W | <ul style="list-style-type: none"> • 85.7 W |
| Standby Power Consumption | <ul style="list-style-type: none"> • 33 W | <ul style="list-style-type: none"> • 27.7 W |
| Operating Temperature | <ul style="list-style-type: none"> • -5 to 50 °C (23 to 122 °F) | |
| Storage Temperature | <ul style="list-style-type: none"> • -20 to 70 °C (-4 to 158 °F) | |
| Operating Humidity | <ul style="list-style-type: none"> • 0% to 95% non-condensing | |
| Storage Humidity | <ul style="list-style-type: none"> • 0% to 95% non-condensing | |
| Dimensions (L x W x H) | <ul style="list-style-type: none"> • 441 x 209.5 x 44 mm (17.36 x 8.28 x 1.73 in) | |
| Weight | <ul style="list-style-type: none"> • 3.07 kg | <ul style="list-style-type: none"> • 3.27 kg |
| Diagnostic LEDs | <ul style="list-style-type: none"> • Link/Activity/Speed (Per 10GBASE-T port) • Link/Activity/Speed (Per 10G SFP+ port) • Power | <ul style="list-style-type: none"> • Console • Fan error |
| Certifications | <ul style="list-style-type: none"> • CE Class A • FCC Class A • VCCI Class A | <ul style="list-style-type: none"> • IC • BSMI |
| Safety | <ul style="list-style-type: none"> • UL • CB | <ul style="list-style-type: none"> • BSMI |

10 Gigabit Ethernet Smart Managed Switches

| Software | |
|---------------------------|--|
| L2 Features | <ul style="list-style-type: none"> • MAC Address Table <ul style="list-style-type: none"> • Up to 32K entries • Static MAC Addresses <ul style="list-style-type: none"> • 256 • IGMP Snooping <ul style="list-style-type: none"> • IGMP v1/v2/v3 Snooping • Supports 512 groups (shared between dynamic and static, with a max of 128 static) • Per VLAN IGMP Snooping • Support port-based fast leave • Report Suppression • MLD Snooping <ul style="list-style-type: none"> • MLD v1/v2 Snooping • Supports 256 groups (shared between dynamic and static, with a max of 128 static) • Support port-based fast leave • LLDP |
| VLAN | <ul style="list-style-type: none"> • 802.1Q VLAN • Port-based VLAN • Configurable VID <ul style="list-style-type: none"> • 1~4094 |
| Quality of Service (QoS) | <ul style="list-style-type: none"> • CoS based on <ul style="list-style-type: none"> • Switch port • 802.1p Priority Queues • Outer 802.1p priority • DSCP • ToS • IPv6 Traffic Class • TCP/UDP port • MAC Address • Ether Type • IP Address • Protocol Type • IPv6 Flow Label/ Traffic Class |
| L3 Features | <ul style="list-style-type: none"> • IP Interface <ul style="list-style-type: none"> • Supports 4 IPv4/v6 interfaces • ARP <ul style="list-style-type: none"> • 384 Static ARP • Default Route |
| Access Control List (ACL) | <ul style="list-style-type: none"> • ACL based on <ul style="list-style-type: none"> • IPv4 address: Source/destination IP Address mask, IP preference/ ToS mask, DSCP mask, Protocol • MAC address: 802.1p priority mask, VID mask, Source/destination MAC address mask, Ether type mask • IPv6 address: Source/destination IP Address mask, DSCP mask, Protocol type mask, TCP/UDP port number mask, IPv6 traffic class mask, IPv6 flow label mask |

10 Gigabit Ethernet Smart Managed Switches

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| Security | <ul style="list-style-type: none"> • Broadcast/Multicast/Unicast Storm Control • D-Link Safeguard Engine • DHCP Server Screening • IP-MAC-Port Binding <ul style="list-style-type: none"> • DHCP Snooping • DHCPv6 Guard • IPv4/v6 Source Guard • Dynamic ARP Inspection • IPv6 ND Inspection • IPv6 Route Advertisement (RA) Guard • Duplicate Address Detection (DAD) • Broadcast/Multicast/Unicast Storm Control <ul style="list-style-type: none"> • Min. granularity per port: 16 Kbps • Traffic Segmentation • SSH <ul style="list-style-type: none"> • Support v2 • Support IPv4/ IPv6 • SSL <ul style="list-style-type: none"> • Support TLS 1.0/1.1/1.2 • Support IPv4/IPv6 • ARP Spoofing Prevention¹ <ul style="list-style-type: none"> • Max. 128 entries • DoS Attack Prevention • Port Security <ul style="list-style-type: none"> • Supports up to 64 MAC addresses per port • Duplicate Address Detection |
| Operations, Administration, and Management (OAM) | <ul style="list-style-type: none"> • Cable Diagnostics |
| Authentication, Authorization, and Accounting (AAA) | <ul style="list-style-type: none"> • 802.1X Authentication <ul style="list-style-type: none"> • Supports Dynamic VLAN Assignment • Supports local/RADIUS database • Supports Port-based access control • Supports Host-based access control • Supports EAP, TLS, TTLS, PEAP • Support IPv4/IPv6 RADIUS Server • Guest VLAN • Trusted Host <ul style="list-style-type: none"> • Support IPv4/v6 host • Trusted host for Telnet, HTTP, HTTPS, SSH, Ping |
| Management | <ul style="list-style-type: none"> • Web-based GUI • D-Link Network Assistant Utility • Full CLI • Telnet Server • TFTP Client • Configurable MDI/MDIX • SNMP <ul style="list-style-type: none"> • Supports v1/v2c/v3 • SNMP Trap • Smart Wizard • LLDP • LLDP-MED • ICMP v4 • DHCP Relay • DHCP Auto-image • System Log • BootP/DHCP Client • SNTP • ICMP v6 • IPv4/v6 Dual Stack • DHCP Auto Configuration • RMON v1/v2 • Dual Images • Dual Configurations • DNS Client |
| Green V3.0 Technology | <ul style="list-style-type: none"> • Power Saving by: <ul style="list-style-type: none"> • LED Shutoff • System Hibernation • Port Shutoff |
| MIB/RFC Standards | <ul style="list-style-type: none"> • RFC 783/1350 TFTP Client • RFC 951/1542/2131 BootP/DHCP Client • RFC 1213 MIB II • RFC 1215 MIB Traps Convention • RFC 3612 Power-Ethernet MIB • RFC 3418 SNMPv2-MIB • RFC 2863 Interface Group MIB • RFC 3635 Ethernet-Like MIB • RFC 4293 IP-MIB • RFC 2819 RMON v1 • RFC 4502 RMON2-MIB • RFC 4188 Bridge MIB • RFC 4363(6) P-Bridge-MIB • RFC 4363(7) Q-Bridge-MIB • RFC 4668 RADIUS Authentication Client MIB • RFC 4292 IP Forward MIB • RFC 4836 MAU MIB • RFC 4133 Entity MIB • RFC 4560(80) PING-MIB • RFC 4560(81) Traceroute-MIB • RFC 3411 SNMP-Framework-MIB • RFC 3414 SNMP-User-Based-MIB • RFC 3412 SNMP-MPD-MIB • RFC 3413(12) SNMP-Target-MIB • RFC 3413(13) SNMP-Notification-MIB • RFC 3415 SNMP-View-Based-ACM-MIB • RFC 3584 SNMP-Community-MIB • D-Link Private MIBs • LLDP MIB • Zone Defense MIB |

10 Gigabit Ethernet Smart Managed Switches

| Optional 25 Gigabit Ethernet SFP28 Transceivers | |
|---|---|
| DEM-S2801SR | 25GBASE-SR Multi-Mode, OM3: 70 m, OM4: 100 m |
| DEM-S2810LR | 25GBASE-LR Single-Mode, 10 km |
| Optional 10 Gigabit Ethernet SFP+ Transceivers | |
| DEM-431XT | 10GBASE-SR Multi-Mode, OM1: 33 m, OM2: 82 m, OM3: 300 m (w/o DDM) |
| DEM-432XT | 10GBASE-LR Single-Mode, 10 km (w/o DDM) |
| DEM-410T | SFP+ 10GBASE-T Copper Transceiver |
| Optional Gigabit Ethernet SFP Transceivers | |
| DGS-712 | 1000BASE-T Copper SFP Transceiver |
| DEM-310GT | 1000BASE-LX Single-Mode, 10 km |
| DEM-311GT | 1000BASE-SX Multi-mode, 550 m |
| DEM-312GT2 | 1000BASE-SX Multi-mode, 2 km |
| Optional 25 Gigabit Ethernet SFP25 Direct Attach Cables | |
| DEM-CB100S28 | 25G SFP28 to SFP28 1m Direct Attach Cable |
| Optional 10 Gigabit Ethernet SFP+ Direct Attach Cables | |
| DEM-CB100S | 10GbE SFP+ to SFP+ 1 m Direct Attach Cable |
| DEM-CB300S | 10GbE SFP+ to SFP+ 3 m Direct Attach Cable |
| Optional Management Software | |
| DV-700 | D-View 7 Network Management Software (downloadable from http://dview.dlink.com) |
| DV-700-N25-LIC | D-View 7 - 25 Node License |
| DV-700-N250-LIC | D-View 7 - 250 Node License |
| DV-700-P10-LIC | D-View 7 - 10 Probe License |

¹ DXS-1210-28T only



For more information: www.dlink.com

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