

Highlights

10G Multi-Gigabit Ethernet Connection

Each copper interface supports 10G Multi-Gigabit (100/1000/2.5G/5G/10GBASE-T) speeds with auto-negotiation for use in various scenarios

Save Energy, Save Money

D-Link Green technology conserves energy by powering down unused ports, saving you money while reducing your carbon footprint

Layer 3 Lite Functions

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



DXS-1210 Series

10G Multi-Gigabit Smart Managed Switches

Features

10 Gigabit/Multi-Gigabit

- 100/1000/2.5G/5G/10GBASE-T

Green Technology

- Power saving via the following features:
 - Link Status detection
 - LED Shut-Off
 - Port Shut-Off
 - System Hibernation

Security Features

- Access Control List
- D-Link Safeguard Engine
- Port Security

Intuitive Management

- Web-based GUI
- Built-in SNMP MIB for remote NMS (D-View)
- Full CLI through console and Telnet

Advanced Features

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

The DXS-1210 Series 10G Multi-Gigabit Smart Managed Switches is a cost-effective 10 Gigabit switch series capable of servicing a range of network needs in any business. Supporting multi-Gigabit, SFP+ and 10GBASE-T/SFP+ combo ports, the switches provide connection flexibility across a network, allowing easier network integration. With high performance and low latency, the DXS-1210 Series fulfils the needs for virtualisation and server-to-server applications, making it perfect for Small-to-Medium-Business (SMB) customers.

The DXS-1210 Series has a complete lineup of L2 features, including port mirroring, Spanning Tree Protocol (STP), and Link Aggregation Control Protocol (LACP). Network maintenance features include loopback detection and cable diagnostics.

The DXS-1210 Series supports Auto Surveillance and Voice VLAN, which is best suited for VoIP and video surveillance deployments. Auto Surveillance VLAN ensures quality real-time video monitoring and control without compromising the transmission of conventional network data. At the same time, Auto Voice VLAN technology enhances the VoIP service by automatically placing voice traffic from IP phones to a designated VLAN.

The DXS-1210 Series supports D-View 8 and a full Command Line Interface (CLI) through the console port and Telnet. D-View 8 is a network management system that centralises critical network characteristics such as availability, reliability, resilience, and security.



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

Technical Specifications

General

Model	• DXS-1210-10TS	• DXS-1210-12TC	• DXS-1210-12SC	• DXS-1210-16TC
HW Version	B1			
Interfaces	<ul style="list-style-type: none"> • 8 x 100/1000/2.5G/5G/10G BASE-T ports • 2 x SFP+ ports 	<ul style="list-style-type: none"> • 8 x 100/1000/2.5G/5G/10G BASE-T ports • 2 x SFP+ ports • 2 x 100/1000/2.5G/5G/10G BASE-T/SFP+ combo ports 	<ul style="list-style-type: none"> • 10 x SFP+ ports • 2 x 100/1000/2.5G/5G/10G BASE-T/SFP+ combo ports 	<ul style="list-style-type: none"> • 12 x 100/1000/2.5G/5G/10G BASE-T ports • 2 x SFP+ ports • 2 x 100/1000/2.5G/5G/10G BASE-T/SFP+ combo ports
Console Port	• 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 802.3bz 5Gbps and 2.5Gbps Ethernet Over Copper Twisted Pair Cable • 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 100BASE-T/1GBASE-T/2.5GBASE-T/5GBASE-T/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	• Auto MDI/MDIX adjustment for all twisted-pair ports			

Performance

Switching Capacity	• 200 Gbps	• 240 Gbps	• 240 Gbps	• 320Gbps
Maximum Packet Forwarding Rate	• 148.8 Mpps	• 178.56 Mpps	• 178.56 Mpps	• 238.08 Mpps
Transmission Method	• Store-and-forward			
MAC Address Table	• Up to 32,000 entries per device			

Physical/Environmental

AC Input	• 100 to 240 VAC			
Maximum Power Consumption	• 43.26 W	• 59.1 W	• 27.4 W	• 64.2 W
Standby Power Consumption	• 19.39 W	• 21.1 W	• 11.2 W	• 31.7 W
Operating Temperature	• -5 to 50 °C (23 to 122 °F)			
Storage Temperature	• -40 to 70 °C (-40 to 158 °F)			
Operating Humidity	• 0% to 95% non-condensing			
Storage Humidity	• 0% to 95% non-condensing			
Dimensions (L x W x H)	• 330 x 200 x 44 mm	• 440 x 210 x 44 mm		
Weight	• 2.165 kg (4.77 lbs)	• 3.041 kg (6.70 lbs)	• 2.718 kg (5.99 lbs)	• 3.123 kg (6.89 lbs)
Diagnostic LEDs	<ul style="list-style-type: none"> • Link/Activity/Speed (Per 10GBASE-T port) • Link/Activity/Speed (Per 10G SFP+ port) <ul style="list-style-type: none"> • Power • Console • Fan error 			
EMI/EMC Certifications	• CE, FCC, IC, RCM, VCCI, BSMI			
Safety Certifications	• cUL, CB, BSMI			

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"> • 128 • IGMP Snooping <ul style="list-style-type: none"> • IGMP v1/v2 Snooping • IGMP v3 awareness • Supports 384 IGMP groups • Supports at least 128 static multicast addresses • Per VLAN IGMP Snooping • Support host-based fast leave • MLD Snooping <ul style="list-style-type: none"> • MLD v1 Snooping • MLD v2 awareness • Support 384 groups • Support 128 static multicast addresses • Support host-based fast leave • LLDP 	<ul style="list-style-type: none"> • LLDP-MED • Spanning Tree Protocol <ul style="list-style-type: none"> • 802.1D STP • 802.1w RSTP • 802.1s MSTP • Flow Control <ul style="list-style-type: none"> • 802.3x Flow Control • HOL Blocking Prevention • Port Mirroring <ul style="list-style-type: none"> • One-to-One • Many-to-One • Supports Mirroring for Tx/Rx/Both • 802.3ad Link Aggregation: <ul style="list-style-type: none"> • Maximum of 8 groups/8 ports per group • Jumbo Frame <ul style="list-style-type: none"> • Up to 10KB • Loopback Detection • ERPS (Ethernet Ring Protection Switching)
VLAN	<ul style="list-style-type: none"> • 802.1Q VLAN • Port-based VLAN • Configurable VID <ul style="list-style-type: none"> • 1~4094 	<ul style="list-style-type: none"> • Voice VLAN • Auto Surveillance VLAN • Asymmetric VLAN • 4K VLAN Groups
Quality of Service (QoS)	<ul style="list-style-type: none"> • 802.1p Priority Queue • 8 queues per port • Queue Handling • Strict 	<ul style="list-style-type: none"> • Weighted Round Robin (WRR) • Bandwidth Control • Port-based (Ingress/Egress, min. granularity 64 Kbps)
L3 Features	<ul style="list-style-type: none"> • IP Interface <ul style="list-style-type: none"> • Supports 8 IPv4/v6 interfaces • ARP <ul style="list-style-type: none"> • 768 Static ARP • Default Route 	<ul style="list-style-type: none"> • IPv6 Neighbor Discovery (ND) • Static Route <ul style="list-style-type: none"> • Max. 64 IPv4 entries • Max. 64 IPv6 entries
Access Control List (ACL)	<ul style="list-style-type: none"> • Max. 50 access list • Max. 256 ACL rules • ACL based on <ul style="list-style-type: none"> • 802.1p priority • VLAN • MAC address • Ether type 	<ul style="list-style-type: none"> • IP address • DSCP • Protocol type • TCP/UDP port number • IPv6 flow label
Security	<ul style="list-style-type: none"> • Broadcast/Multicast/Unicast Storm Control • D-Link Safeguard Engine • DHCP Server Screening • Port Security <ul style="list-style-type: none"> • Supports up to 6656 MAC addresses per port • Duplicate Address Detection 	<ul style="list-style-type: none"> • Traffic Segmentation • SSL <ul style="list-style-type: none"> • Support v1/v2/v3 • Support IPv4/IPv6 • DoS Attack Prevention • SSH
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"> • Support Dynamic VLAN Assignment • Identity-driven Policy (VLAN/ACL/QoS) Assignment • Supports local/RADIUS database • Supports Port-based access control • Supports Host-based access control • Supports EAP, OTP, TLS, TTLS, PEAP 	<ul style="list-style-type: none"> • Support IPv4/IPv6 RADIUS Server • Guest VLAN • Authentication for management access
Management	<ul style="list-style-type: none"> • Web-based GUI • Full CLI • Telnet Server • TFTP Client • Configurable MDI/MDIX • SNMP <ul style="list-style-type: none"> • Supports v1/v2c/v3 • SNMP Trap • LLDP • LLDP-MED 	<ul style="list-style-type: none"> • System Log • BootP/DHCP Client • SNTP • ICMP v6 • IPv4/v6 Dual Stack • RMON v1 • Trusted Host • Dual Images • Dual Configurations • Debug command

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10G Multi-Gigabit Smart Managed Switches

Green V3.0 Technology	<ul style="list-style-type: none"> • Power Saving by: <ul style="list-style-type: none"> • LED Shutoff 	<ul style="list-style-type: none"> • System Hibernation • Port Shutoff
MIB/RFC Standards	<ul style="list-style-type: none"> • RFC2021 RMONv2 MIB • RFC2460 IPv6 • RFC2461, RFC4861 Neighbor Discovery for IPv6 • RFC2462, RFC4862 IPv6 Stateless Address Auto-configuration (SLAAC) • RFC2463, RFC4443 ICMPv6 • RFC2464 IPv6 over Ethernet and definition • RFC2465 IPv6 MIB • RFC2466 ICMPv6 MIB • RFC2474, RFC3168, RFC3260 Definition of the DS Field in the IPv4 and IPv6 Headers • RFC2571 SNMP Framework • RFC2572 SNMP Message Processing and Dispatching • RFC2573 SNMP Applications • RFC2574 User-based Security Model for SNMPv3 	<ul style="list-style-type: none"> • RFC2618 RADIUS Authentication Client MIB • RFC2668 802.3 MAU MIB • RFC2674, RFC4363 802.1p MIB • RFC271, RFC1757, RFC2819 RMON MIB • RFC2893, RFC4213 IPv4/IPv6 dual stack function • RFC2925 Ping & TRACEROUTE MIB • RFC3513, RFC4291 IPv6 Addressing Architecture • RFC4022 MIB for TCP • RFC4113 MIB for UDP • RFC4293 IPv6 SNMP Mgmt Interface MIB • RFC4884 Extended ICMP to Support Multi-Part Messages • RFC768 UDP • RFC792 ICMPv4 • RFC793 TCP • RFC826 ARP
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 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 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)	
Optional Management Software		
DV-800S-LIC	D-View 8 Standard Edition including 1-Year Maintenance	
DV-800MS-Yn-LIC	D-View 8 Standard Edition Maintenance License (n = 1 ~ 5 years)	
DV-800-SE-LIC	D-View 8 Standard to Enterprise Edition upgrade license	
DV-800E-LIC	D-View 8 Enterprise Edition including 1-year maintenance	
DV-800ME-Yn-LIC	D-View 8 Enterprise Edition Maintenance License (n = 1 ~ 5 years)	



For more information: eu.dlink.com