

Highlights

10 Gigabit Ethernet Connection/SFP+

A complete portfolio of high-speed 10GBASE-T and SFP+ connectivity.

PoE & 6kV surge Protection

Each 10GBASE-T Multi-Gigabit (100M/1G/2.5G/5G/10G) with PoE++ (802.3bt) port provides 60W power and 6kV surge protection (PoE model DXS-1210-10MP only).

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

10 Gigabit / Multi-Gigabit Smart Managed Switches

Features:

10 Gigabit PoE/SFP+ ports

- Select from different combinations of 10G/5G/2.5G/1G/100M Ethernet and SFP+ ports
- 10G Ethernet ports supporting IEEE 802.3bt (PoE++) supply 60W per port with 6kV surge protection on PoE model (DXS-1210-10MP)

Green Technology

- Power saving via the following features:
 - Energy Efficiency Ethernet (EEE)
 - LED Shutoff
 - Port Shutoff
 - 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
- D-Link Nuclias Connect

Advanced Features

- Auto Surveillance VLAN
- Auto Voice VLAN
- Static Route
- LLDP/LLDP-MED

The D-Link DXS-1210 Series 10-Gigabit / Multi-Gigabit Smart Managed Switches offer a cost-effective solution for businesses looking to meet a wide range of network requirements. Featuring 10GBASE-T/SFP+ combo ports, the series provides flexible connectivity options for seamless network integration. The DXS-1210-10MP model goes further by supporting IEEE 802.3bt on its 10GBASE-T ports, enabling high-power PoE for advanced surveillance systems and integrated multimedia deployments. With Power over Ethernet (PoE), along with features such as VLAN and QoS, the series is ideal for enhancing existing networks with enterprise-grade communication and security or building new branch or organisational networks with the performance and reliability modern businesses demand.

Energy Efficiency

By incorporating D-Link Green technology, this series of Switches is capable of saving power without sacrificing operational performance or functionality. The Switches feature built-in smart fans with internal heat sensors that monitor and detect temperature changes and react accordingly by utilising different fan speeds for different temperatures. At lower temperatures, the fans will run slower, reducing the Switch's power consumption and noise. Other features such as IEEE 802.3az (EEE), automatic power-off on RJ45 port according to link status, time-based PoE, LED shut-off, and system hibernation demonstrate the efficient use of energy on these Switches. All these features are built on top of a modern chipset designed for power efficiency.

Extensive Management and Layer 2 Features

The DXS-1210 Series comes with a complete lineup of L2 features, includes port mirroring, Spanning Tree Protocol (STP), and Link Aggregation Control Protocol (LACP). Network maintenance features include loopback detection and cable diagnostics. Loopback detection significantly speeds up troubleshooting by automatically detecting and shutting down difficult to diagnose switching loops. The cable diagnostic feature, designed primarily for administrators and customer service representatives, determines the cable quality and quickly discovers errors, allowing hassle-free diagnostics and maintenance.

10 Gigabit / Multi-Gigabit Smart Managed Switches

Quality of Service and Bandwidth Control

The DXS-1210 Series supports Auto Surveillance VLAN (ASV) and Auto Voice VLAN for seamless VoIP and video surveillance integration. ASV combines data and video traffic through one switch, removing the need for dedicated hardware while maintaining smooth, real-time monitoring. Auto Voice VLAN automatically prioritises voice traffic for higher call quality and security. Using Differentiated Service Code Point (DSCP) markings, voice and video packets receive priority over standard data. Administrators can also reserve bandwidth for key functions, ensuring reliable performance. The DXS-1210 Series simplifies VoIP, surveillance, and IoT integration with optimised QoS and bandwidth management.

Seamless Integration

Designed for bandwidth-intensive environments, the DXS-1210 Series delivers flexible 10GbE connectivity with copper and fibre options. Models such as the DXS-1210-12TC and DXS-1210-12SC provide mixed 10GBASE-T and SFP+ ports supporting 10G/5G/2.5G/1G/100M and 1000Base-X/10GBase-X Ethernet. The DXS-1210-12SC suits all-optical networks with high-density 10G SFP+ ports, while the DXS-1210-10MP offers PoE++ to power surveillance devices cost-effectively. Whether connecting servers, storage, or core switches, the series provides versatile port configurations for any deployment.

Versatile Management

The DXS-1210 Series supports D-View 8, Nucleus Connect, and offers full CLI access via console or Telnet. D-View 8 enables central monitoring of network availability, reliability, and security. Nucleus Connect offers centralised management for SMBs, allowing administrators to automate, configure, and scale their network with enterprise-grade visibility and control — all at an affordable price.

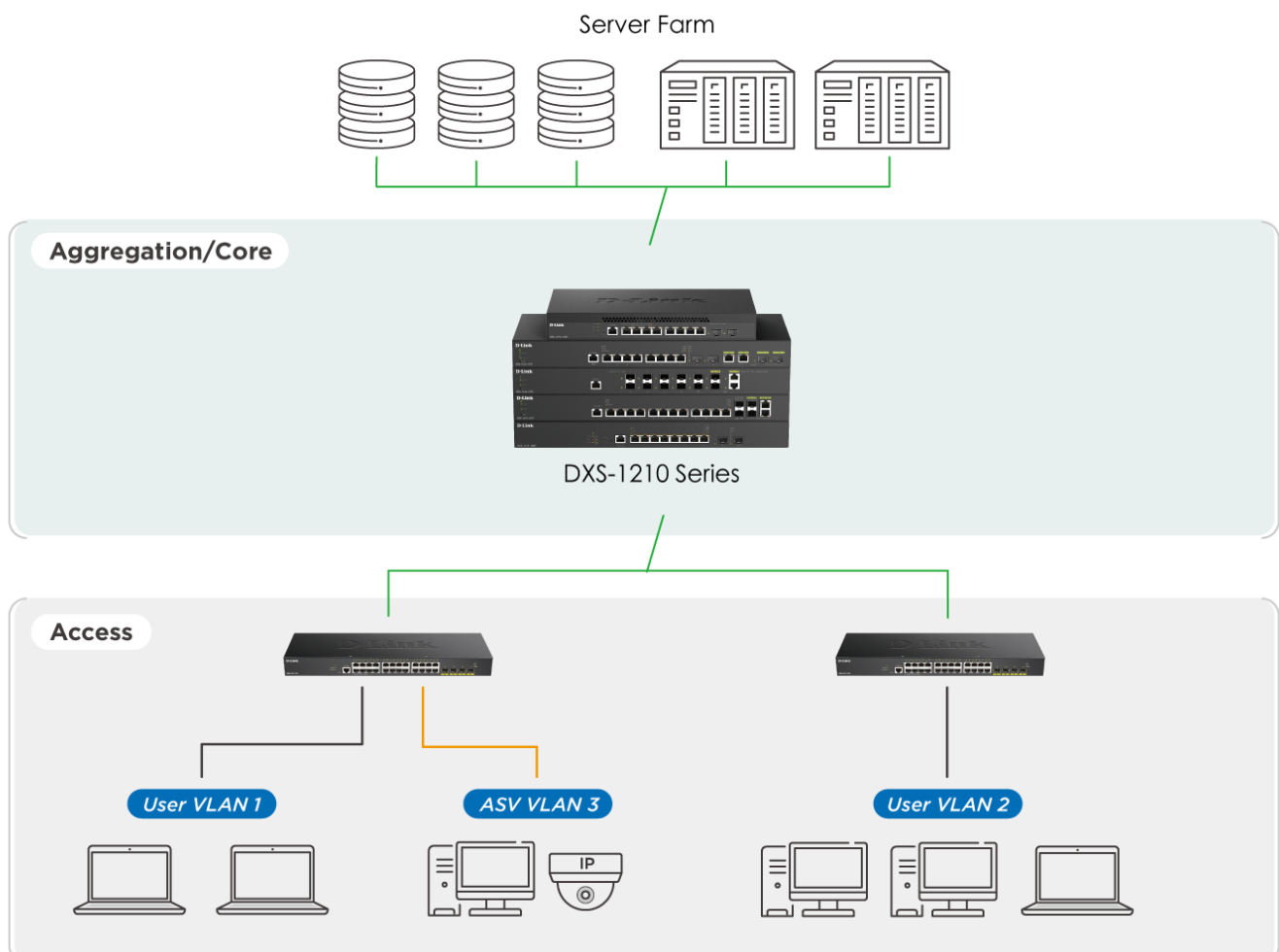
Secure your Network

D-Link's Safeguard Engine™ protects against malicious traffic floods. The DXS-1210 Series supports 802.1X authentication (port and host-based) via RADIUS servers, while Access Control Lists (ACLs) enhance overall network protection. DHCP server screening prevents unauthorised IP assignment, adding another layer of security to safeguard your network.

PoE Support

The DXS-1210-10MP supports Power over Ethernet (PoE++), including Perpetual PoE and Fast PoE for continuous power during system boot. Compliant with IEEE 802.3af/at/bt, it supplies up to 60W per port (370W total). Power limits and schedules can be set per port to optimise energy use. D-View 8 provides visibility into power usage, allowing real-time monitoring and troubleshooting of PoE performance.

Connection Diagram - Core Switch for SMB Applications



10 Gigabit / Multi-Gigabit Smart Managed Switches

Technical Specifications			
Model Number	DXS-1210-12TC	DXS-1210-12SC	DXS-1210-10MP
HW Version	B1		
General			
Device Interfaces	• 8 x 100M/1G/2.5G/5G/10G BASE-T ports • 2 x 10G SFP+ ports • 2 x 1G/10GBASE-T / SFP+ combo ports	• 10 x 10G SFP+ ports • 2 x 1G/10GBASE-T / SFP+ combo ports	• 8 x 100M/1G/2.5G/5G/10G BASE-T (PoE++) ports • 2 x 10G SFP+ ports
Media Interface Exchange	• RJ-45 console port		
PoE Standards & Functions	• 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 • IEEE 802.3ae 10GbE over fiber • IEEE 802.3z 1000BASE-X • IEEE 802.3az Enerby-Efficient Ethernet (EEE) • Auto MDI/MDIX support for 100BASE-T/1GBASE-T/2.5GBASE-T/5GBASE-T/10GBASE-T		
10GBASE-T Cables	• Cat. 6 (30m max) • Cat. 6A or Cat. 7 (100m max)		
Media Interface Exchange	• Auto MDI/MDIX adjustment for all twisted-pair ports		
Performance			
Switching Capacity	240Gbps	240Gbps	200Gbps
Max. Packet Forwarding Rate	178.56Mpps	178.56Mpps	148.8Mpps
Transmission Method	Store-and-forward		
MAC Address Table	Up to 32,000 entries per device		
PoE			
PoE Standard	N/A	N/A	IEEE 802.3af/at/bt
PoE Capable Ports	N/A	N/A	8
PoE Power Budget	N/A	N/A	370W
Physical			
Power Input	100 to 240V AC		
Max. Power Consumption	59.1W	27.4W	453.9W
Standby Power Consumption	21.1W	11.2W	17.73W
Environment	Operating Temperature: -5 to 50°C / Storage Temperature: -40 to 70°C Operating / Storage Humidity: 0% to 95% non-condensing		
Diagnostic LEDs	• Link/Activity/Speed (Per 10GBASE-T port) • Link/Activity/Speed (Per 10G SFP+ port) • Power • Console • Fan error		• PoE Max Consumption • LED Modes: Link & PoE
Surge Protection	IEEE 61000-4-5 standard surge protection by default		6kV protection on all PoE Ethernet ports
Fan	2 Fans	2 Fans	2 Smart Fans
Acoustics	Max: 48.0 dB / Min: 42.6 dB	Max: 46.3 dB / Min: 42.6 dB	Max: 61.4 dB / Min: 25.5 dB
Environment	Operating Temperature: -5 to 50°C / Storage Temperature: -20 to 70°C Operating / Storage Humidity: 0% to 95% relative humidity		
Dimensions (L x W x H)	440 x 250 x 44mm		
Weight	3.041kg	2.718kg	3.7kg
Certifications			
EMI and Safety	RCM, CB, cUL, BSMI, CE, VCCI, FCC, IC		

10 Gigabit / Multi-Gigabit Smart Managed Switches

Technical Specifications

Software

L2 Features	• MAC Address Table • Up to 32K entries • Static MAC Addresses • 128 • IGMP Snooping • 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 • MLD v1 Snooping • MLD v2 awareness • Support 384 groups • Support 128 static multicast addresses • Support host-based fast leave • LLDP	• LLDP-MED • Spanning Tree Protocol • 802.1D STP • 802.1w RSTP • 802.1s MSTP • Flow Control • 802.3x Flow Control • HOL Blocking Prevention • Port Mirroring • One-to-One • Many-to-One • Supports Mirroring for Tx/Rx/Both • 802.3ad Link Aggregation: • Maximum of 8 groups/8 ports per group • Jumbo Frame • Up to 10KB • Loopback Detection • ERPS (Ethernet Ring Protection Switching)
VLAN	• 802.1Q • Port-based VLAN • Configurable VID • 1~4094	• Voice VLAN • Auto Surveillance VLAN • Asymmetric VLAN • 4K VLAN Groups
Quality of Service (QoS)	• 802.1p Priority Queue • 8 queues per port • Queue Handling • Strict Priority • Weighted Round Robin (WRR)	• Bandwidth Control • Port-based (Ingress/Egress, min. granularity 64Kbps)
L3 Features	• IP interface • Supports IPv4/v6 interfaces • ARP • 768 Static ARP • Default Route	• IPv6 Neighbor Discovery (ND) • Static Route • Max. 64 IPv4 entries • Max. 64 IPv6 entries
Access Control List (ACL)	• Max. 50 access list • Max. 256 ACL rules • ACL based on • 802.1p priority • VLAN • MAC address • Ether type	• IP address • DSCP • Protocol type • TCP/UDP port number • IPv6 flow label
Security Features	• Broadcast/Multicast/Unicast Storm Control • D-Link Safeguard Engine • DHCP Server Screening • Port Security • Supports up to 6656 MAC addresses per port • Duplicate Address Detection	• Traffic Segmentation • SSL • Support TLS 1.0/1.1/1.2 • Support IPv4/IPv6 • DoS Attack Prevention • SSH
PoE Feature	• Time-based PoE • Perpetual PoE	• Fast PoE • PD Alive
OAM	Cable diagnostics	
Authentication, Authorisation, and Accounting (AAA)	• 802.1X Authentication • 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	• Support IPv4/IPv6 RADIUS Server • Guest VLAN • Authentication for management access

10 Gigabit / Multi-Gigabit Smart Managed Switches

Software		
Management	• D-Link Nuclias Connect • Web-based GUI • Full CLI • Telnet Server • TFTP Client • Configurable MDI/MDIX • SNMP • Supports v1/v2c/v3 • SNMP Trap • LLDP • LLDP-MED	• System Log • BootP/DHCP Client • SNTP • ICMP v6 • IPv4/v6 Dual Stack • RMON v1 • Trusted Host • Dual Images • Dual Configurations • Debug command
Green v3.0 Technology	• Power Saving by: • LED Shut-off	• System Hibernation • Port Shutoff
MIB/RFC Standards	• 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 & Dispatching • RFC2573 SNMP Applications • RFC2574 User-based Security Model for SNMPv3 • 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 • Private MIB, PoE MIB
Ordering Information		
DXS-1210-10MP	10-Port 10Gb Multi-Gigabit Smart Managed PoE++ Switch with 8 10GBASE-T Ports and 2 SFP+ ports	
DXS-1210-12TC	12-Port 10 Gigabit Smart Managed Switch with with 8-port 10GBASE-T and 2-port 10G SFP+ and 2-port 10GBASE-T/SFP+ combo port	
DXS-1210-12SC	12-Port 10 Gigabit Smart Managed Switch with 12 SFP+ Ports and 2 10GBase-T (Combo) ports	
Optional 10 Gigabit Ethernet SFP+ Direct Attach Cables		
DEM-CB100S	10GbE SFP+ to SFP+ 1m Direct Attach Cable	
DEM-CB300S	10GbE SFP+ to SFP+ 3m Direct Attach Cable	
DEM-CB700S	10GbE SFP+ to SFP+ 7m Direct Attach Cable	
Optional Gigabit Ethernet SFP Transceivers		
DGS-712	1000BASE-T Copper SFP Transceiver, 100m	
DEM-310GT	1000BASE-LX Single-Mode, 10km	
DEM-311GT	1000Base-SX Multi-mode, 550M, SFP (850nm)	
Optional 10 Gigabit Ethernet SFP+ Transceivers		
DEM-410T²	10GBASE-T Copper SFP+ Transceiver (w/o DDM), 30m	
DEM-431XT	10GBASE-SR Multi-Mode, OM1: 33m/OM2: 82m/ OM3: 300m (w/o DDM)	
DEM-432XT	10GBASE-LR Single-Mode, 10km (w/o DDM)	

1 The support for DXS-1210-10MP on D-Link Nuclias Connect starts with version 1.3.0.x.

2 Only HW version A2 DEM-410T transceivers are compatible with the DXS-1210 (B1) switch, and can only be used in environments not exceeding an ambient temperature of 40°C (104°F) and a maximum of 2 DEM-410T transceivers total can be installed in one DXS-1210 (B1) switch.