

Highlights

Designed for Wi-Fi 6 Access Points

2.5 Gigabit Ethernet maximises the bandwidth Wi-Fi 6 access points connects to the network to optimise throughput to connected devices

10 Gigabit Ethernet Connection

Two 10 Gigabit SFP+ high-bandwidth uplink ports ensure full-bandwidth connections to the network infrastructures

Power over Ethernet

Eight PoE-capable ports delivering up to 30 W of power each and a total PoE budget of 240 W for easy deployment of access points and surveillance devices



DMS-1100-10TP

10-Port Multi-Gigabit PoE Smart Managed Switch

Features

Rich Layer 2 Features

- STP, RSTP, MSTP, ERPS
- 802.1Q/Port/Asymmetric VLAN
- Port mirroring
- IGMP/MLD Snooping
- LACP
- D-Link Safeguard Engine
- DoS attack prevention

Intuitive Management

- D-Link Network Assistant (DNA) utility
- Web-based GUI
- Built-in SNMP MIB for remote NMS (D-View/DNA)

Advanced Features

- Auto Surveillance VLAN
- Auto Voice VLAN
- Loopback detection
- Cable diagnostics
- LLDP/LLDP-MED

Green Technology

- Power-saving features:
 - LED shutoff
 - IEEE 802.3az Energy-Efficient Ethernet (EEE)

The DMS-1100-10TP 10-Port Multi-Gigabit PoE Smart Managed Switch is ideal for businesses looking to upgrade to Wi-Fi 6. Featuring eight 2.5 Gigabit PoE ports and two 10 Gigabit SFP+ uplink ports, the DMS-1100-10TP provides the multi-gigabit connectivity needed to maximise throughput of high-performance 802.11ax access points, as well as optimal high-speed uplink connection to the network infrastructure.

Seamless Integration and Future Proof

The DMS-1100-10TP supports IEEE 802.3bz and is fully backwards compatible with 802.3ab Gigabit Ethernet to deliver 2.5 Gigabit speed over standard Cat 5e cabling, up to 100 metres distance. The switch can be flawlessly integrated into existing Gigabit Ethernet network infrastructures while simultaneously making your network future-proof for the next generation of 2.5 Gigabit connectivity.

PoE+ with High PoE Power Budget

The DMS-1100-10TP features a total power budget of 240 W, capable of supplying up to 30 W of power per port to connected PoE-enabled devices. The high power budget and PoE+ support allow the switch to connect and power multiple Wi-Fi 6 access points.

Complete Layer 2 and Troubleshooting Features

The DMS-1100-10TP comes with a complete lineup of L2 features, including port mirroring, Spanning Tree Protocol (STP), and Link Aggregation Control Protocol (LACP). In addition, the DMS-1100-10TP also features loopback detection and cable diagnostics to help network administrators identify and quickly solve network problems.

Versatile Management

The DMS-1100-10TP comes with the D-Link Network Assistant (DNA), a utility that allows network administrators to discover quickly, set up and configure multiple switches simultaneously. It also supports D-View, a network management system that allows for the central management of critical network characteristics such as availability, reliability, resilience, and security.

10-Port Multi-Gigabit PoE Smart Managed Switch
Technical Specifications
General

Interfaces	<ul style="list-style-type: none"> • 8 x 100/1000/2.5GBASE-T PoE ports • 2 x SFP+ ports
Port Standard & Functions	<ul style="list-style-type: none"> • IEEE 802.3u 100BASE-TX • IEEE 802.3ab 1000BASE-T • IEEE 802.3z 1000BASE-X • IEEE 802.3bz 2.5GBASE-T • IEEE 802.3ae 10G over fiber <ul style="list-style-type: none"> • IEEE 802.3az • IEEE 802.3af/at
Network Cables for 2.5GBASE-T	<ul style="list-style-type: none"> • Cat 5e (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"> • 80 Gbps
Maximum Packet Forwarding Rate	<ul style="list-style-type: none"> • 59.52 Mpps
Transmission Method	<ul style="list-style-type: none"> • Store-and-forward
MAC Address Table	<ul style="list-style-type: none"> • Up to 16,000 entries per device

Power over Ethernet (PoE)

PoE Standards	<ul style="list-style-type: none"> • IEEE 802.3af/at
PoE Ports	<ul style="list-style-type: none"> • Ports 1 to 8
PoE Budget	<ul style="list-style-type: none"> • 240 W

Physical

AC Input	<ul style="list-style-type: none"> • 100 to 240 VAC
Maximum Power Consumption	<ul style="list-style-type: none"> • PoE on: 293.4 W / PoE off: 38.1 W
Standby Power Consumption	<ul style="list-style-type: none"> • 27.3 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"> • -40 to 70 °C (-40 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"> • 440 x 250 x 44 mm (17.32 x 9.84 x 1.73 in)
Weight	<ul style="list-style-type: none"> • 3.43 kg (7.56 lbs)
MTBF	<ul style="list-style-type: none"> • 676,329 hours
Diagnostic LEDs	<ul style="list-style-type: none"> • Link/Activity/Speed (Per 2.5GBASE-T port) • Link/Activity/Speed (Per 10G SFP+ port) <ul style="list-style-type: none"> • POWER • FAN error • PoE status
Certifications	<ul style="list-style-type: none"> • CE, FCC, C-Tick, VCCI, BSMI, CCC
Safety	<ul style="list-style-type: none"> • cUL, CB, CE, CCC, BSMI

10-Port Multi-Gigabit PoE Smart Managed Switch

Software		
L2 Features	<ul style="list-style-type: none"> Flow control <ul style="list-style-type: none"> 802.3x Flow control HOL Blocking Prevention Jumbo frames up to 9216 Bytes IGMP Snooping <ul style="list-style-type: none"> IGMP v1/v2 Snooping IGMP v3 Awareness Supports 192 groups (shared with MLD Snooping) IGMP Snooping Querier IGMP Snooping Fast Leave MLD Snooping <ul style="list-style-type: none"> MLD v1 Snooping MLD v2 Awareness Supports 192 groups (shared with IGMP Snooping) MLD Snooping Querier MLD Snooping Fast Leave 802.3ad Link Aggregation: <ul style="list-style-type: none"> Support 8 groups per device and 8 ports per group Loopback Detection V4.07 LLDP/LLDP-MED 	<ul style="list-style-type: none"> Port Mirroring <ul style="list-style-type: none"> One-to-One Many-to-One Mirror based on Tx Mirror based on Rx Statistics <ul style="list-style-type: none"> Tx Ok Tx Error Rx Ok Rx Error Spanning Tree Protocol <ul style="list-style-type: none"> 802.1D STP 802.1s MSTP 802.1w RSTP Ethernet Ring Protection Switching <ul style="list-style-type: none"> G.8032 ERPS single ring 16 max nodes per ring PD Alive
VLAN	<ul style="list-style-type: none"> 802.1Q tagged VLAN Port-based VLAN Auto Surveillance VLAN 2.0 Voice VLAN 	<ul style="list-style-type: none"> Asymmetric VLAN VLAN Group <ul style="list-style-type: none"> Supports 4094 static VLAN groups Max. 4094 VIDs
Quality of Service (QoS)	<ul style="list-style-type: none"> 802.1p Quality of Service <ul style="list-style-type: none"> 8 queues per port Strict Priority Queue (SPQ) Weighted Round Robin (WRR) Port-based bandwidth control (rate limiting) 	<ul style="list-style-type: none"> Port-based bandwidth control <ul style="list-style-type: none"> Ingress bandwidth control Egress bandwidth control
Security	<ul style="list-style-type: none"> D-Link Safeguard Traffic segmentation Broadcast/Multicast/Unknown Unicast Storm Control DoS attack prevention 	<ul style="list-style-type: none"> SSLv3/TLS 1.2 <ul style="list-style-type: none"> IPv4 support IPv6 support
Operations, Administration, and Management (OAM)	<ul style="list-style-type: none"> Cable diagnostics 	<ul style="list-style-type: none"> Factory reset
Authentication, Authorization, and Accounting (AAA)	<ul style="list-style-type: none"> Trusted Host 	
Management	<ul style="list-style-type: none"> Web-based GUI (supports IPv4/IPv6) Smart Wizard Client-based D-Link Network Assistant (DNA) SNTP SNMP <ul style="list-style-type: none"> Supports v1/v2c/v3 SNMP trap System log 	<ul style="list-style-type: none"> DHCP/BootP client TFTP client D-Link Discovery Protocol (DDP) Dual images Dual configurations Ping
Green Technology	<ul style="list-style-type: none"> Power saving features <ul style="list-style-type: none"> LED shutoff 	<ul style="list-style-type: none"> Compliant with IEEE 802.3az Energy Efficient Ethernet (EEE)
MIB/RFC Standards	<ul style="list-style-type: none"> RFC768 UDP RFC791 IP RFC792 ICMP RFC793 TCP RFC826 ARP RFC1213 MIB II 	<ul style="list-style-type: none"> RFC1493 Bridage MIB RFC1907 SNMPv2 MIB RFC4363 IEEE 802.1p MIB ZoneDefense MIB Private MIB

10-Port Multi-Gigabit PoE Smart Managed Switch

Optional 10 Gigabit Ethernet SFP+ Direct Attach Cables	
DEM-CB100S	10G SFP+ to SFP+ 1 m Direct Attach Cable
DEM-CB300S	10G 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
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-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



For more information: eu.dlink.com

D-Link (Deutschland) GmbH, Schwalbacher Strasse 74, 65760 Eschborn, Germany
 D-Link (Europe) Ltd, Artemis Building, Odyssey Business Park, West End Road, South Ruislip HA4 6QE, United Kingdom

Specifications are subject to change without notice. D-Link is a registered trademark of D-Link Corporation and its overseas subsidiaries. All other trademarks belong to their respective owners. ©2023 D-Link Corporation. All rights reserved. E&OE.

Updated February 2023

D-Link[®]