

Technical Specifications				
General	DGS-1100-10MP	DGS-1100-10MPP	DGS-1100-26MP	DGS-1100-26MPP
Hardware Version	• B1			
Size	• 11-inch Desktop/ Rackmount Size, 1U Height	• 11-inch Desktop/ Rackmount Size, 1U Height	• 19-inch Rackmount Size, 1U Height	• 19-inch Rackmount Size, 1U Height
Number of Ports	• 8 10/100/1000 Mbps PoE • 2 SFP 1000 Mbps	• 8 10/100/1000 Mbps PoE • 2 SFP 1000 Mbps	• 24 10/100/1000 Mbps PoE • 2 Combo 1000 Mbps	• 24 10/100/1000 Mbps PoE • 2 Combo 1000 Mbps
Port Functions	<ul style="list-style-type: none"> <li>• IEEE 802.3 compliant</li> <li>• IEEE 802.3u compliant</li> <li>• IEEE 802.3ab compliant</li> <li>• IEEE 802.3af/802.3at compliant</li> <li>• IEEE 802.3bt draft/UPoE (DGS-1100-10MPP/26MPP only)</li> <li>• IEEE 802.3x Flow Control supports full-duplex mode</li> </ul>		<ul style="list-style-type: none"> <li>• Supports manual/auto MDI/MDIX configuration</li> <li>• Auto-negotiation</li> <li>• Supports half/full-duplex operation</li> <li>• IEEE 802.3az compliant</li> <li>• Up to 6 kV surge protection per port</li> </ul>	
Performance				
Switching Capacity	• 20 Gbps		• 52 Gbps	
Maximum Forwarding Rate	• 14.88 Mpps		• 38.69 Mpps	
MAC Address Table Size	• 16K Entries			
Packet Buffer	• 1.5 MBytes			
Flash Memory	• 16 MBytes			
PoE				
PoE Standard	• IEEE 802.3af/802.3at	• IEEE 802.3af/802.3at/ 802.3bt draft/UPoE	• IEEE 802.3af/802.3at	• IEEE 802.3af/802.3at/ 802.3bt draft/UPoE
PoE Capable Ports	• Ports 1 to 8		• Ports 1 to 24	
PoE Power Budget	• 130 watts (30 watts max. per PoE port)	• 242 watts (30 watts max. per PoE port for ports 1 to 8, 75 watts max. for ports 7 to 8)	• 370 watts (30 watts max. per PoE port)	• 518 watts (30 watts max. per PoE port for ports 1 to 24, 75 watts max. for ports 21 to 24)
Power Consumption				
Standby Mode	• 10.4 watts	• 10.47 watts	• 15.12 watts	• 15.19 watts
Maximum Power Consumption	• 141.4 watts (PoE on) • 11.8 watts (PoE off)	• 253 watts (PoE on) • 14.6 watts (PoE off)	• 387 watts (PoE on) • 20.8 watts (PoE off)	• 539 watts (PoE on) • 23.2 watts (PoE off)
Physical				
Power Input	<ul style="list-style-type: none"> <li>• 100 to 240 V AC</li> <li>• 50 to 60 Hz Internal Power Supply</li> </ul>			
MTBF	• 291,575 hours	• 1,719,951 hours	• 269,291 hours	• 268,289 hours
Acoustics	• 45.4 dB(A)	• 53 dB(A)	• 56 dB(A)	• 56 dB(A)
Heat Dissipation	• 570.51 BTU/hr	• 1001.12 BTU/hr	• 1470.46 BTU/hr	• 2079.35 BTU/hr
Weight	• 1.83 kg (4.03 lbs)	• 1.98 kg (4.37 lbs)	• 3.81 kg (8.40 lbs)	• 3.9 kg (8.60 lbs)
Dimensions	• 280 x 180 x 44 mm (11.02 x 7.08 x 1.73 inches)	• 280 x 180 x 44 mm (11.02 x 7.08 x 1.73 inches)	• 440 x 290 x 44 mm (17.32 x 11.42 x 1.73 inches)	• 440 x 290 x 44 mm (17.32 x 11.42 x 1.73 inches)
Ventilation	• 1 x Fan		• 2 x Fans	
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
EMI	FCC/IC, CE, VCCI, BSMI, CCC
Safety	cUL, UL, LVD, CB, CCC, BSMI

Software Features		
VLAN	<ul style="list-style-type: none"> <li>• Port-based VLAN</li> <li>• 802.1Q Tagged VLAN</li> <li>• Auto Surveillance VLAN</li> <li>• Voice VLAN</li> <li>• Management VLAN</li> </ul>	<ul style="list-style-type: none"> <li>• Asymmetric VLAN</li> <li>• VLAN Group <ul style="list-style-type: none"> <li>• Supports 128 static VLAN groups</li> <li>• Max. 4094 VIDs</li> </ul> </li> </ul>
L2 Features	<ul style="list-style-type: none"> <li>• Flow Control <ul style="list-style-type: none"> <li>• 802.3x Flow Control</li> <li>• HOL Blocking Prevention</li> </ul> </li> <li>• Jumbo Frames up to 9216 Bytes</li> <li>• IGMP Snooping <ul style="list-style-type: none"> <li>• IGMP v1/v2/v3 awareness Snooping</li> <li>• Supports 64 Groups</li> <li>• IGMP Snooping Querier</li> </ul> </li> <li>• 802.3ad Link Aggregation: <ul style="list-style-type: none"> <li>• DGS-1100-10MP: Support 5 groups per device and 8 ports per group</li> <li>• DGS-1100-26MP: Support 13 groups per device and 8 ports per group</li> <li>• DGS-1100-10MPP: Support 5 groups per device and 8 ports per group</li> <li>• DGS-1100-26MPP: Support 13 groups per device and 8 ports per group</li> </ul> </li> <li>• Ethernet Ring Protection Switching <ul style="list-style-type: none"> <li>• G.8032 ERPS</li> </ul> </li> <li>• Loopback Detection</li> </ul>	<ul style="list-style-type: none"> <li>• Cable Diagnostics</li> <li>• LLDP</li> <li>• Port Mirroring <ul style="list-style-type: none"> <li>• One-to-One</li> <li>• Many-to-One</li> </ul> </li> <li>• Statistics <ul style="list-style-type: none"> <li>• Tx Ok</li> <li>• Tx Error</li> <li>• Rx Ok</li> <li>• Rx Error</li> </ul> </li> <li>• Spanning Tree Protocol <ul style="list-style-type: none"> <li>• 802.1D STP</li> <li>• 802.1w RSTP</li> </ul> </li> <li>• L2 Multicast <ul style="list-style-type: none"> <li>• MLD Snooping</li> </ul> </li> </ul>
Quality of Service (QoS)	<ul style="list-style-type: none"> <li>• 802.1p Quality of Service</li> <li>• 4 queues per port</li> <li>• Queue Handling <ul style="list-style-type: none"> <li>• Strict</li> <li>• Weighted Round Robin (WRR)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Port-based Bandwidth Control (Rate Limiting) <ul style="list-style-type: none"> <li>• Ingress : 8Kbps, Egress : 64Kbps</li> </ul> </li> </ul>
Security	<ul style="list-style-type: none"> <li>• D-Link Safeguard</li> <li>• Traffic Segmentation</li> <li>• Broadcast/Multicast/Unknown Unicast Storm Control</li> </ul>	<ul style="list-style-type: none"> <li>• DoS Attack Prevention</li> <li>• SSL</li> </ul>
Management	<ul style="list-style-type: none"> <li>• Web-based GUI (Supports IPv4/IPv6)</li> </ul>	<ul style="list-style-type: none"> <li>• Client-based Utility (D-Link Network Assistant Utility)</li> </ul>
Green Technology	<ul style="list-style-type: none"> <li>• Power Saving by <ul style="list-style-type: none"> <li>• Link Status</li> <li>• LED Shut-Off</li> <li>• Port Shut-Off</li> <li>• System Hibernation</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Compliant with IEEE 802.3az Energy Efficient Ethernet</li> </ul>
MIB/RFC Standards	<ul style="list-style-type: none"> <li>• RFC768 UDP</li> <li>• RFC791 IP</li> <li>• RFC792 ICMP</li> <li>• RFC793 TCP</li> <li>• RFC826 ARP</li> <li>• RFC1213 MIB II</li> <li>• RFC1493 Bridage MIB</li> <li>• RFC1907 SNMPv2 MIB</li> <li>• RFC1215 MIB Traps Convention</li> </ul>	<ul style="list-style-type: none"> <li>• RFC2233 Interface Group MIB</li> <li>• RFC2665 Ether-like MIB</li> <li>• RFC4363 IEEE 802.1p MIB</li> <li>• ZoneDefense MIB</li> <li>• Private MIB</li> <li>• RFC951 BootP client</li> <li>• RFC1542 BootP/DHCP client</li> <li>• RFC2236 IGMP Snooping</li> </ul>

# DGS-1100 MP/MPP Series Gigabit Ethernet PoE Switches

Order Information	
<i>Part Number</i>	<i>Description</i>
DGS-1100-10MP	8-Port 10/100/1000 Mbps + 2-Port SFP 1000 Mbps PoE switch
DGS-1100-26MP	24-Port 10/100/1000 Mbps + 2-Port Combo 1000BASE-T/SFP PoE switch
DGS-1100-10MPP	8-Port 10/100/1000 Mbps + 2-Port SFP 1000 Mbps PoE switch
DGS-1100-26MPP	24-Port 10/100/1000 Mbps + 2-Port Combo 1000BASE-T/SFP PoE switch
Optional SFP Transceivers	
DGS-712	1000BASE-T copper
DEM-310GT	1000BASE-LX, single-mode, 10 km
DEM-311GT	1000BASE-SX, multi-mode, 550 m
DEM-312GT2	1000BASE-SX, multi-mode, 2 km
DEM-314GT	1000BASE-LHX, single-mode, 50 km
DEM-315GT	1000BASE-ZX, single-mode, 80 km
DEM-330T/R	Gigabit WDM transceiver, single-mode 10 km
DEM-331T/R	Gigabit WDM transceiver, single-mode 40 km

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