

DGS-3224TGR



FEATURES

High Performance

Wire-Speed Architecture:

- Switching Capacity Up To 48Gbps
- Jumbo Frame Support
- Optional Redundant Power Unit (RPSU)

Standards-Based

Network Management:

- Telnet/Console/CLI
- SNMPv1/v3
- RMON (4 Groups)
- Web
- Port Mirroring

Advanced Standards-Based Enterprise Features:

- 802.1p/DiffServ QoS (8 Queues)
- 802.1q VLANs (Up to 255)
- IGMP Snooping
- 802.3ad Link Aggregation
- Access Control Lists
- 802.1x Authentication

Support Information:

- Limited-Lifetime Warranty*
- Free Technical Support*

*See Website For Complete Details

Layer 2 Switch

Managed 24-Port 10/100/1000Mbps with 4 Combo SFP Expansion Slots

D-Link's DGS-3224TGR is a high performance managed Layer 2 Gigabit switch that provides an ideal solution for Enterprise Gigabit applications. With (24) 10/100/1000Mbps Gigabit Ethernet ports with (4) combo SFP slots, the DGS-3224TGR is designed to meet the needs of the most demanding departmental and Enterprise connectivity applications.

High Performance Wire-Speed Architecture

The DGS-3224TGR supports full duplex wire-speed forwarding, 16,000 MAC addresses and the ability to classify and mark traffic based on 802.1p, DiffServ, ToS, MAC Address, IP Address and/or TCP/UDP Port Numbers into (8) priority queues. The DGS-3224TGR can be used as a cost-effective Gigabit wiring closet solution or a high performance backbone aggregation device.

Network Management

D-Link's DGS-3224TGR addresses today's diverse business and IT requirements through its robust support of standards based network management protocols (SNMP/RMON/BOOTP/Telnet/Web) and port mirroring. By supporting standards-based network management protocols, the DGS-3224TGR can be easily integrated with most third-party network management products.

Advanced Enterprise Features

The DGS-3224TGR brings advanced Enterprise functions to a new level of affordability without compromising advanced features including: QoS/CoS, Multicast, VLANs, Port Trunking Port Mirroring, Rapid Spanning Tree, Security, and Network Management. These features facilitate the deployment of applications across an Enterprise, including: VOIP, streaming media, and multicast content delivery (IP video, software deployment...etc).

Investment Protection

With support for up to (4) GBIC modules, the DGS-3224TGR can easily adapt to changes in customer media requirements without the need to perform an expensive "forklift" upgrade. By supporting SFP mini/GBIC modules, customers can migrate to more advanced solutions in the future, while still protecting a portion of their original investment.

DGS-3224TGR

Managed (24) Port 10/100/1000Mbps with (4) Combo SFP Slots

High Performance Layer 2 Switch with Switching Capacity Up To 48Gbps and Jumbo Frame Support

Technical Specifications

Product/Performance Specifications

DGS-3224TGR	(24) 10/100/1000Mbps Ports with (4) Combo SFP Expansion Slots
MAC Address Table Size	16,000
Switch Fabric	Switching Capacity Up To 48Gbps
Transmission Method	Store-and-Forward (Up To 33Mbps Forwarding Rate)
Number of VLANs Per Device	256 VLAN Groups (Port Based, 802.1q, and/or GVRP/GARP)
QoS	(8) Independent Hardware Queues (802.1p/DiffServ/ToS)
Access Control Lists	MAC Address, IP Address, 802.1p, DiffServ, ToS, and/or TCP/UDP Port Number
Jumbo Frame Support	Up to 9,216bytes
Security	Port Security, Port Segmentation, 802.1x Authentication, Radius Client Support, and SSH2

Interface Options

RJ-45	10BASE-T, 100BASE-TX & 1000BASE-T
Optional SFP Expansion Slots	Media Support Dependent On GBIC Transceiver

Network Management

In Band & Out of Band	Telnet, Console, RMON, Web-based HTTP, SNMPv1/v3 Compatible & Port Mirroring
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Network Protocol and Standards

IEEE	802.3 Ethernet, 802.3u Fast Ethernet, 802.3ab Gigabit Ethernet, 802.3z Gigabit, 802.1d Spanning Tree, 802.1p Priority Tags, 802.1q VLAN Tagging, 802.1ad Link Aggregation Control Protocol, 802.1x Authentication, 802.1w Fast Spanning Tree*, & 802.3x Flow Control
IEFT	RFC 1157 SNMP, RFC 1112/2236 IGMP v1/v2, RFC 1757 RMON (4 Groups), RFC 1493 Bridge MIB, RFC 1213 MIB II, RFC 793 TCP, RFC 826 ARP, and RFC 854 Telnet

Electrical & Electrical Emissions Summary

Emissions	CE Mark, FCC Class A, C-Tick
Power Supply	100-240VAC, 50/60 Hz Internal Universal Power

Safety Agency Certifications and Environmental

Safety	CSA International
Temperature	Operating: 0° - 40° C (32° - 104° F)
Storage	-25° - 55° C (-13° - 131° F)
Humidity	Operating: 5% to 95%

Physical Specifications

Dimensions	441 x 309 x 44 mm (17.36 x 12.16 x 1.73 inches) 19-Inch Rack-Mount Width, 1.0U Height
Weight	6.0 kg (13.23 lb.)

Warranty and Support Information

Warranty	Limited Lifetime Warranty for as long as the original customer/end user owns the product, or five years after product discontinuance, whichever occurs first (excluding power supplies and fans) Power supplies and fans carry a limited 3-Year warranty.
Support	Free Technical Support

Ordering Information

<i>Part Number</i>	<i>Description</i>
DGS-3224TGR	Managed Layer 2 Switch with (24) 10/100/1000Mbps Ports + (4) Combo SFP Slots
DEM-310GT	1000BASE-LX 3.3V GBIC Up to 550m (Multimode) Up to 10km (Singlemode)
DEM-311GT	1000BASE-SX 3.3V GBIC, Up to 220m/550m (Multimode)
DEM-314GT	1000BASE-LX 3.3V GBIC Up to 50km (Singlemode)
DEM-315GT	1000BASE-LX 3.3/5.0V GBIC Up to 80km (Singlemode)
DEM-312GT2	1000BASE-SX+ 3.3V GBIC Up to 2km (Multimode) {Should Be Paired With DEM-310GM2 or DEM-312GT2}
DS-510P	D-View Professional SNMP Network Management System

*Future Software Release