

DGS-3324SRi

Managed Stackable 24-Port 10/100/1000Mbps with (8) Combo SFP Ports & Integrated 10Gig Stacking



DGS-3324SRi

FEATURES

High Performance Switching:

- Up To 168Gbps Switching Capacity
- 6 Integrated Rear Stacking Ports
- Optional Redundant Power Option
- RIPv1/v2
- OSPF
- DVMRP
- 802.3ad (Link Aggregation)
- 802.1w (Rapid Spanning Tree)

Network Management:

- Console
- Telnet
- SNMPv1/v2/v3
- RMON (4 Groups)
- Web
- Port Mirroring
- Syslog
- Single IP Address Management

Advanced Standards Based

Enterprise Features:

- 802.1p Priority (8 Queues)
- DiffServ QoS
- 802.1x (Port Based Authentication)
- 802.1x (MAC Based Authentication)¹
- 802.1q VLANs
- IGMP Snooping

¹ Available Via Future Firmware Upgrade

The DGS-3324SRi operates as a high performance external switching fabric for the DES-3352SR and DGS-3324SR series stacking products. The “Star” architecture of the DGS-3324SRi offers many of the same advantages as traditional chassis based solutions such as dedicated bandwidth, removable flash memory system, optional redundant power and hot-swappability. Along with its high availability architecture, the DGS-3324SRi supports ASIC Based Layer 3 routing (RIPv1/v2, OSPF, and DVMRP), multi-layer traffic classification, and L2/L3/L4 Access Control Lists.

Performance

The DGS-3324SRi is a managed Layer 3, (24) port managed 10/100/1000Mbps with (8) combo SFP modules. The DGS-3324SRi has a switching capacity of up to 168Gbps and supports 6 integrated, rear 10Gigabit-stacking ports. The DGS-3324SRi can be easily added to an existing stack of DGS-3324SRs and/or DES-3352SRs to improve stacking performance and reduce network latency, compared to traditional “ring stacking” architectures.

High Availability

The hardware and software features of the DGS-3324SRi work together to allow customers to build affordable, high performance, high availability networks. The removable flash memory system of the DGS-3324SRi dramatically simplifies complex deployments, upgrades, backups and replacement sparing. The DGS-3324SRi unit also supports D-Link’s optional Redundant Power Option--the DPS-500. Other features include support for RIPv1/v2, OSPF, DVMRP, 802.3ad (Link Aggregation), 802.1d (Spanning Tree), and 802.1w (Rapid Spanning Tree) for increased network reliability and availability.

Network Management

The DGS-3324SRi supports a variety of network management options including: console CLI, telnet, web, SNMPv1/v2/v3, RMON, TFTP, Port Mirroring, BootP and DHCP. The DGS-3324SRi also supports a variety of advanced traffic management options including: 802.1x, Bandwidth Control, Broadcast Rate Limiting, and support for IGMPv1/v2 Snooping.

Advanced Enterprise Features

The DGS-3324SRi implements a robust and consistent set of QoS/CoS, VLAN, and Security features. The DGS-3324SRi, DGS-3324SR, DES-3352SR switches support 8 priority queues for 802.1p/TOS/DiffServ, with classification and marking based on MAC SA/DA, IP SA/DA, and/or TCP/UDP port numbers. Security features include: 802.1x (port based authentication) 802.1x (MAC based authentication)¹, Access Control Lists based on MAC address, IP address, and/or TCP/UDP port numbers. The DGS-3324SRi also has extensive support for GARP/GVRP, 802.1q, and port based VLANs.

For more information, please contact your D-Link authorized reseller or visit us at <http://www.d-link.com>. For the latest firmware updates, product manuals, and support information, please visit <http://support.dlink.com>. Authorized D-Link business partners should visit our exclusive partner site at <http://partners.dlink.com>.

DGS-3324SRi

Managed Stackable (24) Port 10/100/1000Mbps Switch with (8) combo SFP/mini-GBICs
High Performance Switching Capacity of Up to 168Gbps with 6 Rear Integrated 10Gig Stacking Ports

Technical Specifications

Product/Performance Specifications

DGS-3324SRi	(24) Ports 10/100/1000Mbps with (8) combo SFP/mini-GBICs
Max Units In A Stack	7 Units Per Stack (Star Configuration) - Including Primary DGS-3324SRi
MAC Address Table Size	16,000
Switch Capacity	Up To 168Gbps Capacity
Transmission Method	Store-and-Forward
VLANs	Supports Up To 255 Static/4000 Dynamic VLAN Groups,(Port Based/802.1p/GARP/GVRP)
Integrated Stacking Ports	6 Ports - Each Supporting Up To 20Gbps (Full Duplex) - Up to 120Gbps Aggregated Stacking Bandwidth
QoS/CoS	8 Hardware Queues (802.1p/TOS/DiffServ) - Strict Priority or Weight Round Robin Queue Scheduling
Classification QoS/ACLs	MAC Address, IP Address, and/or TCP/UDP Port Number
Supported Routing Protocols	RIPv1/v2, OSPF, and DVMRP
Removable Flash Media	Standard Compact Flash Cards Supported - Up to 512MB Per Device

Interface Options

RJ-45	10BASE-T, 100BASE-TX & 1000BASE-T
SFP/mini-GBIC	Supports Standard Small Form-Factor Pluggable Gigabit Transceivers
Stacking Ports	6 Rear 10Gigabit Full Duplex Stacking Ports
RPSU	Redundant Power Option Via Optional DPS-500

Network Management

In Band & Out of Band Configuration	Telnet, CLI/Console, RMON, Web-based HTTP, SNMPv1/v2/v3, Syslog, & Port Mirroring TFTP Client, BootP Client, DHCP Client, DHCP/BootP Relay and DNS Relay
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Network Protocol and Standards

IEEE	802.3 Ethernet, 802.3u Fast Ethernet, 802.3ab Gigabit Ethernet, 802.3z Gigabit Ethernet, 802.1d Spanning Tree, 802.1w Rapid Spanning Tree, 802.1p Priority Tags, 802.1q VLANs, 802.1ad Link Aggregation Control, 802.3x Flow Control, 802.1x Port Based Authentication, and 802.1x MAC Based Authentication (Future Firmware Release)
IETF	RFC 1157 SNMP, RFC 1112/2236 IGMPv1/2, RFC 1757 RMON (4 Groups), RFC 1493 Bridge MIB, RFC 1213 MIB II, RFC 793 TCP, RFC 826 ARP, RFC 854 Telnet, RFC 1850 OSPF and DiffServ

Electrical & Electrical Emissions

Emissions	CE Mark & FCC Class A
Power Supply	100-120, 200-240VAC, 50/60 Hz Internal Universal Power

Safety Agency Certifications

Safety	CSA International
Physical and Environmental	
Dimensions (WxDxH)	441 x 207 x 44 mm (17.36 x 8.15 x 1.73 inches) 19-inch rack-mount width, 1.0U height
Weight	TBD
Temperature	Operating: 0° - 40° C (32° - 104° F)
Storage	-25° - 55° C (-13° - 131° F)
Humidity	Operating: 5% to 95% RH, Non-Condensing

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

<u>Part Number</u>	<u>Description</u>
DGS-3324SRi	Managed Stackable Layer 3 Switch with (24) 10/100/1000Mbps with (8) Combo SFP/mini-GBIC Slots
DPS-500	Optional RPSU Unit (Supports One Device)
DPS-800	Optional RPSU Rack Mount Chassis
DEM-310GT	1000BASE-LX SFP/mini-GBIC Up to 10km (Singlemode) or Up To 550m (Multimode)
DEM-311GT	1000BASE-SX SFP/mini-GBIC Up to 220m (Multimode)
DEM-312GT2	1000BASE-SX+ SFP/mini-GBIC Up to 2km (Multimode) {Requires: DEM-310GM2/DEM-312GT2}
DEM-314GT	1000BASE-LX SFP/mini-GBIC Up to 50km (Singlemode)
DEM-315GT	1000BASE-LX SFP/mini-GBIC Up to 80km (Singlemode)
DEM-CB50	Spare 50cm 10Gig Stacking Cable