DXS-3326GSR

High Performance Switching:
- Dual 10-Gig stacking ports and optional 10-Gig uplinks
- Recoverable Ring or Star stacking architecture
- Stack up to 12 units per stack[1]
- RIPv1/v2, OSPF
- DVMRP, PIM-DM, PIM-SM, VRRP
- Optional Redundant Power Support
- 802.3ad (Link Aggregation)
- Spanning Tree Protocols: 802.1d, 802.1w, 802.1s

Network Management:
- Command Line, Web, Telnet
- SNMPv1/v2/v3, RMON (4 Groups)
- Port Mirroring, Syslog
- D-Link SIM (Single IP Management) Technology

Advanced Standards Based Enterprise Features:
- 802.1p Priority (8 Queues)
- DiffServ QoS
- L2/L3/L4 Access Control Lists (ACL)
- 802.1x (Port Based Authentication)
- 802.1x (MAC Based Authentication)
- 802.1q VLANs (Up to 4000 Groups)
- IGMP Snooping v1/v2/v3
- SSH, SSL, TACACS(+), RADIUS

1 Max number of units in a stack may vary depending on model used

xStack™ DXS-3326GSR

Managed Stackable Multilayer Switch
24 Gigabit SFP Fiber Slots, 4 Combo Gigabit Copper Ports
Integrated 10-Gig Stacking and Optional 10-Gig Uplinks

D-Link's xStack™ Series is a set of "Next Generation" high performance stackable switches that deliver high scalability, wire-speed Gigabit performance, high availability, integrated 10-Gigabit stacking, redundant power option, and support for stacking in a "ring" or "star" topology (requires DGS-3324SRi). xStack™ Switches can stack up to 12 units in a stack[1], providing up to 384 Gigabit ports, and up to 40Gbps of shared stacking bandwidth in a ring topology or 20Gbps of dedicated stacking bandwidth in a "star" topology. The xStack DXS-3326GSR is designed to meet the most demanding high port density fiber requirements. Each unit provides 24 Gigabit fiber slots with (4) 10/100/1000 Combo ports, and switching capacity of 128Gbps. It stacks with the other xStack™ Switches including the DGS-3324SR, DGS-3324SRi, and DXS-3350SR to provide unprecedented flexibility in a switch stack environment.

High Availability
The xStack™ DXS-3326GSR stacked in a ring topology supports "Shortest-Path, Fail-Safe" switching which improves resiliency, uptime, and network efficiency. It also supports an optional Redundant Power Supply (DPS-500) and includes support for 802.3ad Link Aggregation, 802.1d Spanning Tree, 802.1w Rapid Spanning Tree, and 802.1s Multiple Spanning Tree for increased network reliability and availability.

Network Management
An extensive set of network management features is provided including console CLI, Telnet, Web, SNMPv1/v2/v3, RMON, TFTP, Port Mirroring, BootP, and DHCP. The switch can also be easily managed using D-Link's SIM (Single IP Management) Clustering technology. It also supports a variety of advanced traffic management options including 802.1x, Bandwidth Control, Broadcast Rate Limiting, and support for IGMP Snooping v1/v2/v3.

Advanced Enterprise Features
A robust and consistent set of QoS/CoS, VLAN, and security features is provided. They include 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. Layer 3 dynamic routing protocols include RIPv1/v2, OSPFv2, PIM-DM/SM, DVMRP, and VRRP. Security features include 802.1x (Port-based Authentication), 802.1x (MAC-based Authentication), and Access Control Lists (ACL) based on MAC address, IP address, and/or TCP/UDP port numbers. It also provides extensive support for GARP/GVRP, 802.1q, 802.1v IPv6 VLAN, and port-based VLANs for up to 255 static groups per device.

The xStack™ DXS-3326GSR is the latest example of D-Link's continued commitment to our channel partners and customers to be the industry leader in delivering cost-effective, reliable, high performance, feature-rich switch solutions.

D-Link®
Building Networks for People

Product Data Sheet

xStack™ DXS-3326GSR

24 GbE Fiber Slots Managed Stackable Multilayer Switch with (4) Combo 10/100/1000 Ports
Integrated 10-Gig Stacking, Optional 10-Gig Uplinks, and up to 128Gbps Switching Capacity

Technical Specifications

Product/Performance Specifications

DXS-3326GSR	(24) GbE SFP Fiber Slots with (4) Combo 10/100/1000 Ports, (2) 10-Gig Stacking Ports, and (2) Optional 10-Gig Uplinks
Max Units In A Stack	Up to 12 Units Per Stack (In Fail-Safe Ring mode. Number may vary depending on switch model used.)
MAC Address Table Size	16,000
Switch Fabric	128Gbps Capacity
VLANs	Supports Up To 255 Static VLAN Groups/Up To 4000 Dynamic (Port Based/802.1p/GARP/GVRP)
Integrated Stacking Ports	2 Ports - Each Supporting Up To 20Gbps (Full Duplex)
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	Static Routes, RIPv1/v2, OSPF, PIM-DM, PIM-SM, DVMRP, VRRP

Interface Options

RJ-45	10BASE-T, 100BASE-TX, 1000BASE-T
SFP/XFP	Supports Standard SFP and XFP Transceivers (LC connector/interface)
Stacking Ports	Dual 10-Gigabit Stacking Ports
RPSU	Redundant Power Supply via optional DPS-500

Network Management

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

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, 802.1s Multiple Spanning Tree, 802.1p Priority Tags, 802.1q VLANs, 802.1v IPv6 VLAN, 802.3ad Link Aggregation Control, 802.3x Flow Control, 802.1x Port Based Authentication, and 802.1x MAC Based Authentication
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, RFC768 UDP, RFC 826 ARP, RFC 854 Telnet, RFC 951 Bootp, RFC 1058 RIP v1, RFC 2453 RIP v2, RFC 1850 OSPF, RFC 2138 RADIUS, RFC 2030 SNTP, DiffServ

Electrical & Electrical Emissions

Emissions	CE Mark, FCC Class A
Power Supply	100-120, 200-240VAC, 50/60 Hz Internal Universal Power
Power Consumption	140W

Safety Agency Certifications

Safety	CSA+NRTL/C

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	14.3 lb. (6.5 kg)
Operating Temperature	Operating: 0° - 40° C (32° - 104° F)
Storage Temperature	-25° - 55° C (-13° - 131° F)
Operating Humidity	5% to 95% RH, Non-Condensing
Weight	6.5 kg (14.33 lbs)

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

Part Number	Description
DXS-3326GSR	Managed Stackable Multilayer Switch- (24) Gigabit SFP Fiber Slots with (4) Combo 10/100/1000 Ports, (2) 10-Gig Stacking Ports, and (2) Optional 10-Gig Uplinks. Includes DEM-CB50 50cm 10-Gig stacking cable.
DPS-500	Optional Redundant Power Supply Unit (RPSU) (Supports one switch per unit)
DPS-800	Optional 2-Slot RPSU Rack Mount Chassis (Holds up to two DPS-500's)
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 550m (Multimode)
DEM-312GT2	1000BASE-SX+ SFP/mini-GBIC, up to 2km (Multimode) {Requires DEM-312GT2 at both ends}
DEM-314GT	1000BASE-LX SFP/mini-GBIC, up to 50km (Singlemode)
DEM-315GT	1000BASE-LX SFP/mini-GBIC, up to 80km (Singlemode)
DEM-CB100	100cm 10-Gig Stacking Cable (May be required when stacking more than 5 units in a stack)