



DXS-3350SR

FEATURES

High Performance Switching:

- Dual 10-Gig stacking ports and optional 10-Gig uplinks
- Recoverable Ring or Star stacking architecture
- Stacks up to 12 units per stack¹
- 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-3350SR

Managed Stackable Multilayer Switch

48-Port 10/100/1000 with (4) Combo SFP 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 as stacking master). The xStack™ DXS-3350SR provides 48 built-in copper Gigabit ports, including (4) Combo SFP ports supporting either copper links or SFP modules for easy, flexible connection to fiber-based Gigabit media. In a ring stack it can provide up to 384 Gigabit ports, up to 40Gbps of stacking bandwidth per switch, and a switching capacity of up to 176Gbps per unit. It also stacks with the other xStack™ Series switches including the DGS-3324SR, DGS-3324SRi, and DXS-3326GSR to provide unprecedented flexibility in a switch stack environment.

High Availability

The xStack™ DXS-3350SR in a ring stacking 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 supported 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

The DXS-3350SR supports a robust and consistent set of QoS/CoS, VLAN, and security features. It provides 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-3350SR 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.

For more information, please contact your D-Link authorized reseller or visit us at <http://www.dlink.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>.

xStack™ DXS-3350SR

48-Port 10/100/1000 Managed Stackable Multilayer Switch with (4) Combo SFP Ports, Integrated 10-Gig Stacking, Optional 10-Gig Uplinks, and up to 176Gbps Switching Capacity

Technical Specifications

Product/Performance Specifications	
DXS-3350SR	(48) Ports 10/100/1000 with (4) combo SFP/mini-GBICs, (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	176Gbps 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/mini-GBIC	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 Configuration	Telnet, CLI/Console, RMON, Web-based HTTP, SNMPv1/v2/v3, Syslog, Port Mirroring 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, RFC 768 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 SNMP, DiffServ
Electrical & Electrical Emissions	
Emissions	CE Mark, FCC Class A
Power Supply	100-120, 200-240VAC, 50/60 Hz Internal Universal Power
Power Consumption	143W
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, 1.0RU height
Operating Temperature	0° - 40° C (32° - 104° F)
Storage Temperature	-25° - 55° C (-13° - 131° F)
Operating Humidity	5% to 95% RH, Non-Condensing
Weight	6.41 kg (14.13 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	
<u>Part Number</u>	<u>Description</u>
DXS-3350SR	Managed Stackable Multilayer Switch- (48) 10/100/1000 Ports with (4) Combo SFP Slots, (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)