



High Performance Switching:

- + Integrated Dual 10-Gig Stacking Ports
- + Recoverable Ring or Star Stacking Architecture
- + Stack Up to 8 Units Per Stack*
- + Optional Redundant Power Support
- + Optional 10G uplink support
- + 802.3ad (Link Aggregation)
- + 802.1w (Rapid Spanning Tree)
- + RIPv1/v2, OSPF & DVMRP
- + 802.1s, 802.1v
- + IP Multinetting

Network Management:

- + Console
- + Telnet
- + SNMPv1/v2/v3
- + RMON (4 Groups)
- + Web GUI
- + Port Mirroring
- + Syslog
- + Single IP Address Management
- + SSH2, TACACS+, SSL
- + ACL L2/L3/L4

Advanced Standards Based Enterprise Features:

- + 802.1p Priority (8 Queues)
- + DiffServ QoS
- + 802.1x (Port Based Authentication)
- + 802.1x (MAC Based Authentication)
- + 802.1Q VLANs (Up to 4000 Groups)
- + IGMP Snooping
- + VRRP redundancy
- + Radius Client

48-Port Gigabit + (4) Combo SFP + (2) Optional 10-Gig Uplinks

Overview

D-Link's xStack Switches are a series of "Next Generation" high performance stackable switches that deliver high scalability, wire-speed Gigabit performance, high availability, integrated 10-Gigabit stacking, redundant power options, and the option to stack in a "ring" or "star" topology. The xStack DXS-3350SR stacks up to 8 units* in a stack, providing up to 384 Gigabit ports, and up to 40Gbps of stacking bandwidth. It can stack with the other xStack switches like the DGS-3324SR, DGS-3324SRi, and DXS-3326GSR, providing unprecedented flexibility. It provides 48 built-in copper Gigabit ports, including (4) Combo SFP ports supporting either copper links or SFP transceivers for easy, flexible connection to fiber-based Gigabit media and a switching capacity of up to 176Gbps per switch. In addition, the DXS-3350SR supports an optional module to provide an additional 2 ports of either 10 Gigabit fiber XFP ports (DEM-420X) or 10 Gigabit copper CX-4 (DEM-420CX) for uplinking to servers, storage, or backbone switches.

High Availability

In a ring stacking topology, the DXS-3350SR supports "Shortest-Path" switching which improves resiliency, uptime and network efficiency. It also supports an optional Redundant Power Supply (DPS-500). It includes support for 802.3ad Link Aggregation, 802.1d Spanning Tree, and 802.1w Rapid Spanning Tree for increased network reliability and availability.

Network Management

The DXS-3350SR features a variety of network management options: console CLI, telnet, web, SNMPv1/v2/v3, RMON, TFTP, Port Mirroring, BootP, and DHCP. It also supports a variety of advanced traffic management options including: Bandwidth Control, Broadcast Storm Control, and support for IGMP Snooping v1/v2/v3. D-link exclusive SIM technology is also supported. This feature allows up to 32 units of D-link switches to be managed under a single IP, regardless of physical environment.

Advanced Enterprise Features

The DXS-3350SR provides a robust and consistent set of QoS/CoS, VLAN, and Security features. It supports 8 priority queues for 802.1p/ToS/DiffServ, with classification and marking based on MAC SA/DA, IP SA/DA, TCP/UDP, and IPv6 address and traffic class. Layer 3 dynamic routing protocols include: RIPv1/v2, OSPFv2, PIM-DM, and DVMRP. Security features include: 802.1x (Port/MAC-based Authentication), port security, 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, and port-based VLANs for up to 4000 groups per device.

The DXS-3350SR is the latest example of D-Link's continued commitment to our channel partners and customers to be the industry leader in cost-effective, reliable, high performance, feature-rich switches.

*Stack up to 8 DXS-3350SR. Up to 12 units in a mixed stack with other xStack 3300 series switches.



48-Port Gigabit + (4) Combo SFP + (2) Optional 10-Gig Uplinks

Technical Specifications

Product/Performance Specifications

DXS-3350SR	48 Port 10/100/1000 Switch with 4 Combo SFP ¹ , 10GbE stacking and 2 Optional 10GbE fiber/copper uplinks
Max Units in a stack	Up to 12 units per stack (depending on switch model used)
MAC Address Table Size	16K
Switch Fabric	176Gbps
802.1p Priority Queues	8 queues per port
Jumbo Frames	Up to 9,216 bytes
Rate Limiting	down to 1MB
802.3ad Link Aggregation	Up to 32 Groups / 8 ports per group
VLAN Groups	Up to 4K
L3 Host IP Table	Up to 3K entries
IP Multicast Table	Up to 256 addresses

Interface Options

RJ-45	10BASE-T, 100BASE-TX, 1000BASE-T
SFP/mini-GBIC	Supports Standard SFP transceivers (LC connector)
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, SNMP v1/2/3, SYSLOG, Port Mirroring, TFTP Client, BootP Client, DHCP Client, BootP/DHCP Relay agent, DNS Relay, SSH, SSL, Password enabled, TACACS+ Authentication, RADIUS Authentication, Remote Upgrade of PROM code, Traffic Segmentation, Port Security, Web GUI Traffic Monitoring, Web MAC address Browsing, SNMP, Port Description, CPU Utilization Monitoring, Dual Image support, SNMP Trap on MAC notification
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Network Protocols & Standards

QoS / CoS Classification based on	802.1p priority, MAC SA/DA, ToS priority, IP address, TCP/UDP port, DSCP, IPv6 address, IPv6 Flow label, IPv6 traffic class
Spanning Tree	802.1D Spanning Tree, 802.1w Rapid Spanning Tree, 802.1s Multiple Spanning Tree
VLANs	802.1Q support, GARP/GVRP, Max number of VLANs 4K, Static VLANs up to 4K, Dynamic VLANs, up to 255, 802.1v
IP Multicast	IGMP Snooping, IGMP Snooping fast leave
RMON	4 Groups
Port Configuration / Monitoring	Auto Negotiation, Port Mirroring, Broadcast Storm Control
Security	802.1x Port & MAC based Access Control, SSH, SSL, TACACS/TACACS+, RADIUS, Cisco-like Port Security
Access Control Lists based on	MAC Address, VLAN, IP address, Protocol Type, TCP/UDP port, 802.1p, DSCP, Port, TCP/UDP payload, IPv6 address, IPv6 traffic class, IPv6 flow control
L3 Management functions	RIP I/II, OSPF, IPv4 Routing, IP Fragmentation support, Multiple IP interface per VLAN, floating static route, VRRP, Up to 256 static routes, Up to 50 IP interfaces, IGMPv2, IGMPv3, DVMRP, PIM DM, PIM SM*

Electrical & Emissions

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



48-Port Gigabit + (4) Combo SFP + (2) Optional 10-Gig Uplinks

Safety Agency Certifications

Safety	CSA International
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Physical & Environmental

Dimensions	441 x 430 x 44mm (17.36 x 16.9 x 1.73 in) 19 inch rack mount 1RU high
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Weight	14.33 lb (6.5kg)
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Temperature	Operating: 32°F to 104°F (0°C to - 40°C)
	Storage: -13°F to 131°F (-25°C to 55°C)

Humidity	5 - 95% RH non-condensing
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Warranty & Support Information

Warranty	Limited Lifetime Warranty
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Support	Free Technical Support
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Ordering Information

Part Number	Description
DXS-3350SR	48 Port 10/100/1000 Switch with 4 Combo SFP ¹ , 10GbE stacking and 2 Optional 10GbE fiber/copper uplinks
DPS-500	Optional Redundant Power Supply Unit
DPS-800	Optional 2-Slot 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 550m (multimode)
DEM-CB50	50cm 10-Gig Stacking Cable
DEM-CB100	100cm 10-Gig Stacking Cable
DEM-420CX	2 Port CX4 10GbE module
DEM-420X	2-Port 10GbE XFP Uplink Module (XFP Transceivers sold seperately)
DEM-421XT	10GBASE-SR Multimode XFP up to 300 meters
DEM-422XT	10GBASE-LR Singlemode XFP up to 10km

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>.

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