

Highlights

High Performance

Get the speeds your network needs with up to 960/480 Gbps switching capacity and 714.28/357.14 Mpps forwarding rate.

Reliability

The DXS-3600 Series supports dual load sharing for AC/DC power, as well as Data Center Bridging to provide "lossless Ethernet" transmission quality.

Energy Saving

A removable redundant smart fan speeds up as needed, and two airflow configurations keep the switch cool and power consumption low.



DXS-3600 Series

Layer 3 Stackable 10GbE Managed Switch

Features

High Performance and Flexibility

- Two AC/DC hot-swappable power modules for 1+1 power redundancy and load sharing
- Three hot-swappable fan trays with airflow control provide N+1 cooling redundancy
- Attain up to 480G stacking bandwidth with four devices functioning together as one

Data Center Features

- IEEE 802.1Qbb Priority-based Flow Control (PFC)
- IEEE 802.1Qaz Enhanced Transmission Selection (ETS)
- IEEE 802.1Qau Congestion Notification (QCN)
- Scheduled Reboot

Advanced Features

- MPLS
- OSPF/BGP
- ERPS
- Three Color Marker
- Congestion Control

Easy Management

- Web-based GUI
- Command-line Interface (CLI)
- RADIUS/TACAS+
- LLDP/LLDP-MED

D-Link's DXS-3600 Series Layer 3 Stackable 10GbE Managed Switch consists of new compact, high-performance switches that feature wire speed 10-Gigabit Ethernet switching, routing, and very low latency. The 1U height and selectable front-to-back or back-to-front air flow make the DXS-3600 Series suitable for enterprise and campus aggregation network environments. The DXS-3600 Series switches have 24 or 8 fixed 10 GbE SFP+ ports and can accommodate more ports with the addition of an expansion module. The expansion modules not only provide extra 10G SFP+ ports, but also increase the flexibility of 120G stacking, 40G uplinks, or low-cost 10GBASE-T connections for different applications.

Convenient Deployment

The DXS-3600 Series switches provide your network with high-performance 10-Gigabit Ethernet switching capacities up to 960 Gbps and forwarding rates up to 714 Mpps. The switches feature hot-swappable power supplies and fan trays, which enable the switches to have redundant, high-availability architecture. The modular power design allows customers to use AC or DC power sources according to where the switch is deployed. When inserting two power modules, the two power modules share the load and help to extend the lifetime of the other. The DXS-3600 Series also features a modular fan design; three fans can back up each other, providing 2+1 redundancy for the system. If a fan fails or the temperature rises, the smart fans will increase their speed automatically.

Flexible Software

The DXS-3600 Series can be deployed using one of two different software images. The Standard Image (SI) features a wide range of Layer 2, VLAN, multicasting, Quality of Service (QoS), security, data center, and static routing functions. The Enhanced Image (EI) features comprehensive IPv4/v6 routing including RIP, VRRP, OSPF, BGP, and L3 multicasting features IGMP, MLD, PIM-DM, SM, SDM, SSM, and DVMRP. The Enhanced Image (EI) also supports L2/L3 MPLS VPN that enables the DXS-3600 Series switches to also be deployed as the core router of an enterprise environment or as an aggregation switch in an MPLS environment.

Data Center Features

Data Center Bridging (DCB) is an essential set of enhancements to Ethernet for networking in data center environments. The DXS-3600 Series switches support several core components of Data Center Bridging (DCB) such as IEEE 802.1Qbb, IEEE 802.1Qaz, and IEEE 802.1Qau. IEEE 802.1Qbb (Priority-based Flow Control) provides flow control to ensure there is no data loss during network congestion. IEEE 802.1Qaz (Enhanced Transmission Selection) manages the allocation of bandwidth amongst different traffic classes. IEEE 802.1Qau (Congestion Notification) provides congestion management for data flows within network domains to avoid congestion. The DXS-3600 Series switches also support cut-through switching, which reduces latency when transmitting data in a network.

Energy Efficient

The DXS-3600 Series switches allow users to manage airflow by using different power and fan module sets. Selectable front-to-back or back-to-front airflow optimizes air circulation to provide more effective cooling throughout rack systems in data centers where the switches are used when compared to side-to-side airflow. The switches also feature built-in smart fans; internal heat sensors monitor and detect temperature changes, and react accordingly by utilizing different fan speeds for different temperatures. At lower temperatures, the fans will run slower, reducing the switch's power consumption and noise.

Stacking with DXS-3600-EM-Stack (DXS-3600-32S only) and DXS-3600-EM-4QXS module (DXS-3600-32S & 16S)

DXS-3600-32S with stacking module to build a physical stacking architecture which provides:

- Up to 96 10G SFP+ ports
- Up to 480G stacking bandwidth
- High redundancy and reliability

Stacking with DXS-3600-EM-Stack module



DEM-CB50CXP 120G CXP Stacking Cable

DXS-3600-32S or 16S with 40G QSFP+ expansion module to build a physical stacking architecture which provides:

- Longer distance stacking by connecting 40G transceivers and fibre cables
- Up to 160G stacking bandwidth
- High redundancy and reliability

DXS-3600-EM-4QXS, the 40G QSFP+ module



DEM-CB100QXS/300QXS, the 40G QSFP+ to QSFP+ DAC

Technical Specifications

General	DXS-3600-32S	DXS-3600-16S
Interfaces	• 24 fixed SFP+ 10G ports with one expansion slot	• 8 fixed SFP+ 10G ports with one expansion slot
Console Port	• RJ-45 console port for out-of-band management	
Management Port	• 10/100/1000 BASE-T RJ-45 Ethernet for out-of-band remote management	
SD Card Slot	• 1 slot	
Performance	DXS-3600-32S	DXS-3600-16S
Switching Capacity	• 960 Gbps	• 480 Gbps
Max. Forwarding Rate	• 714.28 Mpps	• 357.14 Mpps
Packet Buffer Memory	• 9 MB	
MAC Address Table	• 128K	

Physical	DXS-3600-32S	DXS-3600-16S
Power Input	• 100 to 240 V AC, 50/60 Hz	
Maximum Power Consumption	<ul style="list-style-type: none"> • 116.8 W (without expansion module) • 160.4 W (with DXS-3600-EM-4QXS) 	<ul style="list-style-type: none"> • 74.3 W (without expansion module) • 105.3 W (with DXS-3600-EM-4QXS)
Standby Power Consumption	• 88.2 W	• 69.9 W
Heat Dissipation (Max.)	<ul style="list-style-type: none"> • 398.29 BTU/hr (without expansion module) • 546.96 BTU/hr (with DXS-3600-EM-4QXS) 	<ul style="list-style-type: none"> • 253.36 BTU/hr (without expansion module) • 359.07 BTU/hr (with DXS-3600-EM-4QXS)
Heat Dissipation (Standby)	• 300.76 BTU/hr	• 238.36 BTU/hr
Dimensions (W x D x H)	• 440 x 506 x 44 mm (17.32 x 19.92 x 1.73 inches)	
Weight	• 10.71 kg (23.6 pounds)	• 9.89 kg (21.8 pounds)
Operating Temperature	• 0 to 45 °C (32 to 113 °F)	
Storage Temperature	• -40 to 70 °C (-40 to 158 °F)	
Operating Humidity	• 0% to 95% RH	
Storage Humidity	• 0% to 95% RH	
Certifications		
Safety	• CB, cUL, LVD	
EMI/EMC	• FCC, CE, C-Tick, IC, VCCI	
Standard Image (SI) Features		
Stackability	<ul style="list-style-type: none"> • DXS-3600-32S with: <ul style="list-style-type: none"> • DXS-3600-EM-Stack Expansion Module: 480G stacking bandwidth • DXS-3600-EM-4QXS Expansion Module: 160G stacking bandwidth • DXS-3600-16S with DXS-3600-EM-4QXS Expansion Module: 160G stacking bandwidth 	<ul style="list-style-type: none"> • Virtual Stacking/Clustering of up to 32 units <ul style="list-style-type: none"> • Supports D-Link Single IP Management • Physical Stacking <ul style="list-style-type: none"> • Up to 480G stacking bandwidth • Up to 4 switches in a stack • Ring/chain topology support
L2 Features	<ul style="list-style-type: none"> • MAC Address Table <ul style="list-style-type: none"> • 128K entries • Flow Control <ul style="list-style-type: none"> • 802.3x Flow Control when using Full Duplex • Back Pressure when using Half Duplex • HOL Blocking Prevention • Spanning Tree Protocol <ul style="list-style-type: none"> • 802.1D STP • 802.1w RSTP • 802.1s MSTP • Supports Root Restriction • Jumbo Frame <ul style="list-style-type: none"> • Up to 12,000 bytes 	<ul style="list-style-type: none"> • 802.1AX Link Aggregation <ul style="list-style-type: none"> • Max. 16 groups per device, 12 ports per group • ERPS (Ethernet Ring Protection Switching) • Port Mirroring <ul style="list-style-type: none"> • Supports One-to-One, Many-to-One • Supports Mirroring for Tx/Rx/Both • Supports 4 mirroring groups • Flow Mirroring <ul style="list-style-type: none"> • Supports One-to-One, Many-to-One • Supports Mirroring for Rx • Supports 4 mirroring groups
L2 Multicast Features	<ul style="list-style-type: none"> • L2 Multicast Filtering <ul style="list-style-type: none"> • Forwards all groups • Forwards all unregistered groups • Filters all unregistered groups • MLD Snooping <ul style="list-style-type: none"> • MLD v1/v2 Snooping • Supports 4K groups • Host-based MLD Snooping Fast Leave 	<ul style="list-style-type: none"> • IGMP Snooping <ul style="list-style-type: none"> • IGMP v1/v2/v3 Snooping • Supports 4K IGMP groups • Supports 1K static multicast addresses • IGMP per VLAN
L3 Features	<ul style="list-style-type: none"> • ARP <ul style="list-style-type: none"> • 512 Static ARP • Supports Gratuitous ARP 	<ul style="list-style-type: none"> • IP Interface <ul style="list-style-type: none"> • Supports 256 interfaces • Loopback Interface

L3 Routing	<ul style="list-style-type: none"> • Static Routing <ul style="list-style-type: none"> • Max. 1K IPv4 entries • Max. 512 IPv6 entries • Supports route redistribution • Supports secondary route • Supports Equal Cost/Weighted Cost multi-path route 	<ul style="list-style-type: none"> • Default Routing
VLAN	<ul style="list-style-type: none"> • 802.1Q • 802.1v • Double VLAN (Q-in-Q) <ul style="list-style-type: none"> • Port-based Q-in-Q • Selective Q-in-Q • Port-based VLAN • MAC-based VLAN 	<ul style="list-style-type: none"> • Subnet-based VLAN • Private VLAN • VLAN Group <ul style="list-style-type: none"> • Max. 4K static VLAN groups • Max. 4094 VLANs • GVRP <ul style="list-style-type: none"> • Up to 4K dynamic VLANs
AAA	<ul style="list-style-type: none"> • 802.1X Authentication <ul style="list-style-type: none"> • Supports Port-based access control • Supports Host-based access control • Dynamic VLAN Assignment • Identity-driven Policy (VLAN/ACL/QoS) Assignment 	<ul style="list-style-type: none"> • Web-based Access Control (WAC) • MAC-based Access Control (MAC) • Guest VLAN
QoS (Quality of Service)	<ul style="list-style-type: none"> • 802.1p Quality of Service • 8 queues per port • Queue Handling <ul style="list-style-type: none"> • Strict • Weighted Round Robin (WRR) • Strict + WRR • Round Robin (RR) • Weighted Deficit Round Robin (WDRR) • QoS based on <ul style="list-style-type: none"> • 802.1p Priority Queues • DSCP • IP address • MAC address • VLAN • IPv6 Traffic Class • IPv6 Flow Label • TCP/UDP port 	<ul style="list-style-type: none"> • Bandwidth Control <ul style="list-style-type: none"> • Port-based (Ingress/Egress, min. granularity 8 Kb/s) • Flow-based (Ingress/Egress, min. granularity 8 Kb/s) • Per queue bandwidth control (min. granularity 8 Kb/s) • Three Color Marker <ul style="list-style-type: none"> • trTCM • srTCM • Congestion Control <ul style="list-style-type: none"> • WRED • Support for following actions: <ul style="list-style-type: none"> • Remark 802.1p priority tag • Remark TOS/DSCP tag • Bandwidth Control • Committed Information Rate (CIR)
Access Control List (ACL)	<ul style="list-style-type: none"> • ACL based on: <ul style="list-style-type: none"> • 802.1p priority • VLAN • MAC address • EtherType • IP address • DSCP • Protocol type • TCP/UDP port number • IPv6 Traffic Class • IPv6 Flow Label 	<ul style="list-style-type: none"> • Max. ACL entries: <ul style="list-style-type: none"> • 1792 ingress ACL rules • 1K egress ACL rules • 1K VLAN ACL rules • Time-based ACL
Security	<ul style="list-style-type: none"> • Port Security <ul style="list-style-type: none"> • Supports up to 12K MAC addresses per port/system • Broadcast/Multicast/Unicast Storm Control • D-Link Safeguard Engine • DHCP Server Screening • IP-MAC-Port Binding <ul style="list-style-type: none"> • ARP inspection • IP inspection • DHCP Snooping 	<ul style="list-style-type: none"> • ARP Spoofing Prevention <ul style="list-style-type: none"> • Max. 64 entries • Traffic Segmentation • SSL <ul style="list-style-type: none"> • Supports v1/v2/v3 • Supports IPv4/v6 access • SSH • BPDU Attack Prevention • DOS Attack Prevention

Management	<ul style="list-style-type: none"> • Web-based GUI • CLI • Telnet • TFTP Client • FTP Client • Traffic Monitoring • SNMP <ul style="list-style-type: none"> • Supports v1/v2c/v3 • SNMP Trap • System Log • DHCP Client • DHCP Server • DHCP Relay • Multiple Image • Multiple Configuration • Flash File System 	<ul style="list-style-type: none"> • DNS Resolver • CPU Monitoring • MTU Setting • Traceroute • LLDP • DNS Relay • SMTP • DHCP Auto Configuration • SNTP • RCP (Remote Copy Protocol) • RMONv1 • RMONv2 • Trusted Host • Password Encryption • Debug Command
Enhanced Image (EI) Additional Features		
L3 Multicasting	<ul style="list-style-type: none"> • Multicast Table Size: 2K • IGMP v1, v2c, v3 • PIM-SM • PIM-DM 	<ul style="list-style-type: none"> • PIM-Sparse-Dense Mode • PIM-SSM • DVMRP v3 • MLD v1/v2
MPLS	<ul style="list-style-type: none"> • LDP • MPLS LSP trigger filtering • MPLS label-forwarding • MPLS QoS • MPLS ping and traceroute 	<ul style="list-style-type: none"> • L2 protocol tunneling through PW • VPWS • VPLS • PW Redundancy
L3 Features	<ul style="list-style-type: none"> • IPv6 Tunneling <ul style="list-style-type: none"> • Static • ISATAP • GRE • 6to4 	<ul style="list-style-type: none"> • VRRP
L3 VPN	<ul style="list-style-type: none"> • MPLS/BGP L3 VPN • VRF-Lite 	<ul style="list-style-type: none"> • MP-BGP • VRF aware application
L3 Routing	<ul style="list-style-type: none"> • Supports 16K hardware routing entries shared by IPv4/IPv6 <ul style="list-style-type: none"> • Max. 16K IPv4 entries • Max. 8K IPv6 entries • Supports 8K hardware L3 forwarding entries shared by IPv4/IPv6 <ul style="list-style-type: none"> • Max. 8K IPv4 entries • Max. 4K IPv6 entries • RIP <ul style="list-style-type: none"> • RIP v1/v2 • RIPng 	<ul style="list-style-type: none"> • OSPF <ul style="list-style-type: none"> • OSPF v2 • OSPF v3 • OSPF Passive Interface • Stub/NSSA Area • OSPF Equal Cost Route • BGPv4 • IS-IS, IS-ISv6 • IP Directed Broadcast • Policy Based Route

Standards

MIB & RFC Standards	<ul style="list-style-type: none"> • RFC1213 MIB II • RFC1907 SNMP v2 MIB • RFC5519 IGMP v3 MIB • RFC1724 RIP v2 MIB • RFC2021 RMONv2 MIB • RFC1643, RFC2358, RFC2665 Ether-like MIB • RFC4836 802.3 MAU MIB • RFC4363 802.1p MIB • RFC2618 RADIUS Authentication Client MIB • RFC4292 IP Forwarding Table MIB • RFC2932 IPv4 Multicast Routing MIB • RFC2934 PIM MIB for IPv4 • RFC2620 RADIUS Accounting Client MIB • RFC2925 Traceroute MIB • RFC2925 Ping MIB • RFC1850 OSPF MIB • Private MIB • RFC1112, RFC2236, RFC3376, RFC4541 IGMP Snooping • RFC4363 802.1v • RFC2338 VRRP • RFC1058, RFC1388, RFC1723, RFC2453, RFC2080 RIP • RFC1370, RFC1765, RFC2328, RFC2740, RFC3101 makes RFC1587 obsolete, RFC2328 makes RFC1583, RFC2178 OSPF v2,v3 • RFC1771, RFC1997, RFC2439, RFC2796, RFC2842, RFC2918 BGP • RFC3973 PIM-DM • RFC5059 PIM-SM • RFC3569, RFC4601, RFC4608, RFC4607, RFC4604 PIM SSM • RFC3376 IGMP • RFC2475 Priority Queue Mapping • RFC2475, RFC2598 Class of Service (CoS) • RFC2597, RFC2598 QoS Flow Actions • RFC2697, RFC2698 Three Color MarkerRFC2093, RFC2904, RFC2095, RFC2906 AAA 	<ul style="list-style-type: none"> • RFC1321, RFC2144, RFC2313, RFC2420, RFC2841, RFC3394 Encryption • RFC2289 One-Time • RFC3580 802.1X • RFC2866 RADIUS Accounting • RFC2138, RFC2139, RFC2865, RFC2618 RADIUS Author. for Management Access • RFC1492 TACACS+ Auth. for Management Access • RFC2068, RFC2616 Web-based GUI • RFC854 Telnet Server • RFC783, RFC1350 TFTP Client • RFC1157, RFC1901, RFC1908, RFC2570, RFC2574, RFC2575, RFC3411-17 SNMP • RFC3164 System Log • RFC2819 RMON v1 • RFC951, RFC1542, RFC2131, RFC3046 BootP/DHCP Client • RFC1769 Time Setting • RFC2131 DHCP Server • RFC1191 MTU Setting • RFC1065, RFC1066, RFC1155, RFC1156, RFC2578 MIB Structure • RFC1215 MIB Traps Convention • RFC4188 Bridge MIB • RFC1157, RFC2571-2576, RFC3411-3415, RFC3418 SNMP MIB • RFC1901-1908, RFC1442, RFC2578 SNMP v2 MIB • RFC2737 Entity MIB • RFC768 UDP • RFC791 IP • RFC792 ICMP • RFC793 TCP • RFC826 ARP • RFC1338, RFC1519 CIDR • RFC2716, RFC3748 EAP • RFC2571, RFC2572, RFC2573, RFC2574 SNMP
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Ordering Information

<i>Part Number</i>	<i>Description</i>
DXS-3600-32S/SI	• 24 fixed SFP+ ports with one expansion slot with Standard Image, one AC power supply, and three fan trays (front-to-back airflow) included
DXS-3600-16S/SI	• 8 fixed SFP+ ports with one expansion slot with Standard Image, one AC power supply, and three fan trays (front-to-back airflow) included
DXS-3600-32S/EI	• 24 fixed SFP+ ports with one expansion slot with Enhanced Image, one AC power supply, and three fan trays (front-to-back airflow) included
DXS-3600-16S/EI	• 8 fixed SFP+ ports with one expansion slot with Enhanced Image, one AC power supply, and three fan trays (front-to-back airflow) included
DXS-3600-32S-SE-LIC	• DXS-3600-32S Standard Image to Enhanced Image License
DXS-3600-16S-SE-LIC	• DXS-3600-16S Standard Image to Enhanced Image License
DXS-3600-EM-4XT	• 4 x 10GBASE-T expansion module
DXS-3600-EM-8T	• 8 x 10/100/1000BASE-T expansion module
DXS-3600-EM-4QXS	• 4 x 40G QSFP+ expansion module
DXS-3600-EM-8XS	• 8 x 10G SFP+ expansion module
DXS-3600-EM-Stack	• 2 x 120G CXP physical stacking module
DXS-3600-PWR-FB	• 300W AC power supply tray with front-to-back airflow
DXS-3600-PWR-BF	• 300W AC power supply tray with back-to-front airflow
DXS-3600-PWRDC-FB	• 300W DC power supply tray with front-to-back airflow
DXS-3600-FAN-FB	• Fan tray with front-to-back airflow

DXS-3600-FAN-BF	<ul style="list-style-type: none"> Fan tray with back-to-front airflow
Optional Management Software	
DV-600S	<ul style="list-style-type: none"> D-View 6.0 Network Management Software Standard Edition
DV-600P	<ul style="list-style-type: none"> D-View 6.0 Network Management Software Professional Edition
Optional 10 Gbps SFP+ Transceivers	
DEM-431XT	<ul style="list-style-type: none"> 10 GBASE-SR SFP+ Transceiver (w/o DDM), 80 m: OM1 & OM2 MMF, 300 m: OM3 MMF
DEM-431XT-DD	<ul style="list-style-type: none"> 10GBASE-SR SFP+ Transceiver (with DDM), 80 m: OM1 & OM2 MMF, 300 m: OM3 MMF
DEM-432XT	<ul style="list-style-type: none"> 10GBASE-LR SFP+ Transceiver (w/o DDM), 10 km
DEM-432XT-DD	<ul style="list-style-type: none"> 10GBASE-LR SFP+ Transceiver (with DDM), 10 km
DEM-433XT	<ul style="list-style-type: none"> 10GBASE-ER SFP+ Transceiver (w/o DDM), 40 km
DEM-433XT-DD	<ul style="list-style-type: none"> 10GBASE-ER SFP+ Transceiver (with DDM), 40 km
DEM-434XT	<ul style="list-style-type: none"> 10GBASE-ZR SFP+ Transceiver, (w/o DDM), 80 km
DEM-435XT	<ul style="list-style-type: none"> 10GBASE-LRM SFP+ Transceiver (w/o DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF
DEM-435XT-DD	<ul style="list-style-type: none"> 10GBASE-LRM SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF
DEM-436XT-BXU	<ul style="list-style-type: none"> 10GBASE-LR BiDi SFP+ Transceiver (w/o DDM) 20 km, TX: 1270 nm, RX: 1330 nm
DEM-436XT-BXD	<ul style="list-style-type: none"> 10GBASE-LR BiDi SFP+ Transceiver (w/o DDM) 20 km, TX: 1330 nm, RX: 1270 nm
DEM-X10CS-1271	<ul style="list-style-type: none"> 10G Single-Mode 10KM CWDM SFP+ Transceiver (1271nm)
DEM-X10CS-1291	<ul style="list-style-type: none"> 10G Single-Mode 10KM CWDM SFP+ Transceiver (1291nm)
DEM-X10CS-1311	<ul style="list-style-type: none"> 10G Single-Mode 10KM CWDM SFP+ Transceiver (1311nm)
DEM-X10CS-1331	<ul style="list-style-type: none"> 10G Single-Mode 10KM CWDM SFP+ Transceiver (1331nm)
DEM-X40CS-1471	<ul style="list-style-type: none"> 10G Single-Mode 40KM CWDM SFP+ Transceiver (1471nm)
DEM-X40CS-1491	<ul style="list-style-type: none"> 10G Single-Mode 40KM CWDM SFP+ Transceiver (1491nm)
DEM-X40CS-1511	<ul style="list-style-type: none"> 10G Single-Mode 40KM CWDM SFP+ Transceiver (1511nm)
DEM-X40CS-1571	<ul style="list-style-type: none"> 10G Single-Mode 40KM CWDM SFP+ Transceiver (1571nm)
Optional 1 Gbps SFP Transceivers	
DEM-310GT	<ul style="list-style-type: none"> SFP transceiver, 1000BASE-LX standard, single-mode fiber, max. distance 10 km, 3.3 V operating voltage
DEM-311GT	<ul style="list-style-type: none"> SFP transceiver, 1000BASE-SX standard, multi-mode fiber, max. distance 550 m, 3.3 V operating voltage
DEM-312GT2	<ul style="list-style-type: none"> SFP transceiver 1000BASE-SX standard, multi-mode fiber, max. distance 2 km, 3.3 V operating voltage
DEM-314GT	<ul style="list-style-type: none"> SFP transceiver, 1000BASE-LHX standard, single-mode fiber, max. distance 50 km, 3.3 V operating voltage
DEM-315GT	<ul style="list-style-type: none"> SFP transceiver, 1000BASE-ZX standard, single-mode fiber, max. distance 80 km, 3.3 V operating voltage
DEM-330T	<ul style="list-style-type: none"> WDM SFP transceiver, 1000BASE-BX standard, single-mode fiber, max. distance 10 km, 3.3 V operating voltage, Tx wavelength 1550 nm, Rx wavelength 1310 nm
DEM-330R	<ul style="list-style-type: none"> WDM SFP transceiver, 1000BASE-BX standard, single-mode fiber, max. distance 10 km, 3.3 V operating voltage, Tx wavelength 1310 nm, Rx wavelength 1550 nm
DEM-331T	<ul style="list-style-type: none"> WDM SFP transceiver, 1000BASE-BX standard, single-mode fiber, max. distance 40 km, 3.3 V operating voltage, Tx wavelength 1550 nm, Rx wavelength 1310 nm
DEM-331R	<ul style="list-style-type: none"> WDM SFP transceiver 1000BASE-BX standard, single-mode fiber, max. distance 40 km, 3.3 V operating voltage, Tx wavelength 1310 nm, Rx wavelength 1550 nm

DXS-3600 Series Layer 3 Stackable 10GbE Managed Switch

DGS-712	<ul style="list-style-type: none">SFP transceiver, 1000BASE-TX standard
Optional 10 Gbps SFP+ Direct Attach Cables	
DEM-CB100S	<ul style="list-style-type: none">10-GbE SFP+ to SFP+ 1 m Direct Attach Cable
DEM-CB300S	<ul style="list-style-type: none">10-GbE SFP+ to SFP+ 3 m Direct Attach Cable
DEM-CB700S	<ul style="list-style-type: none">10-GbE SFP+ to SFP+ 7 m Direct Attach Cable
DEM-CB100QXS	<ul style="list-style-type: none">40-GbE QSFP+ to QSFP+ 1 m Direct Attach Cable
DEM-CB300QXS	<ul style="list-style-type: none">40-GbE QSFP+ to QSFP+ 3 m Direct Attach Cable
DEM-CB100QXS-4XS	<ul style="list-style-type: none">40G QSFP+ to 4*10G SFP+ 1 m Direct Attached Cable
Optional 120 Gbps CXP Direct Attach Cables	
DEM-CB50CXP	<ul style="list-style-type: none">CXP to CXP 50cm Stacking Cable

Updated 2014/05/29