

Product Highlights

Future Ready Metro Access

Cost effective Gigabit access and 10G uplinks provide enough bandwidth for future broadband access; IPv6 support provides a seamless migration path for ISPs.

Outstanding Triple Play Support

Comprehensive IPTV and QoS features help provide ISP better ROI (Return of investment) per fixed line.

Reliable, Secure Network

Various hardware and software designs protect your network from physical damage and malicious attacks.



DGS-3000 Series

Layer 2 Gigabit Managed Switch

Features

Designed for Gigabit Metro/Campus Access

- 8 10/100/1000BASE-T ports and 2 combo 10/100/1000BASE-T/SFP uplink ports
- 20 10/100/1000BASE-T Gigabit ports and 4 combo 10/100/1000BASE-T/SFP ports
- 20 10/100/1000BASE-T Gigabit ports and 4 combo 10/100/1000BASE-T/SFP ports with 2 10G SFP+ uplink ports
- Alarm/event trigger for external sensors¹

Reliable Hardware and Software Features

- 6 kV surge protection for Ethernet ports
- Redundant Power Supply (RPS) support
- 50 ms Ethernet recovery mechanism for various network topologies
- Protocol-less loop detection protect network from uncontrolled grey area

Outstanding Triple Play Support

- Multiple Set-Top Box (STB) per leased line
- Easy channel and service package management
- Strict STB authentication

Data Leakage Prevention

- Several user/device authentication methods
- Clientless user/device authentication, easy to deploy
- Strict address binding to prevent malicious attack

The DGS-3000 Series is part of the Layer 2 family of D-Link's managed switch product line that provides wired Gigabit speed access for metro and campus networks. The two embedded 10G SFP+ ports on the DGS-3000-26TC guarantee performance during aggregation of numerous Gigabit connections. The DGS-3000 Series is designed as a 1U rackmount case suitable for desktops and telecom cabinets. The DGS-3000-10TC is more compact, using a 9-inch case that comfortably fits in telecom distribution boxes. The smaller dimensions provide better air flow in limited spaces and also make cable management easier. The embedded alarm port of DGS-3000-24TC/26TC allows for input of external sensors to detect potential threats such as open doors or cabinet overheating which then trigger warning events. This makes it ideal for wide deployment across any metropolitan environment.

Reliable Networking

All of the Ethernet ports of the DGS-3000 Series support 6kV surge/lightning protection. This feature protects the switch from power surges due to lightning or improper electrical wiring when the Ethernet cables are exposed in open spaces, such as in old buildings. The switch also provides an additional power connector for connection to D-Link's DPS-200 Redundant Power Supply, or a stable, protected 12VDC backup power source in case of a main power failure. For Ethernet link fail-over, the DGS-3000 Series supports 802.1D Spanning Tree Protocol (STP), 802.1w Rapid Spanning Tree Protocol (RSTP), and 802.1s Multiple Spanning Tree Protocol (MSTP), to allow automatic backup of bridge paths. Using these features, the transmission and reception of frames can be guaranteed even during a network failure. For mission critical environments, the switches also support ITU-I G.8032 Ethernet Ring Protection Switching (ERPS); traffic can be rerouted around the ring within 50 milliseconds, minimizing disruption to service. D-Link Loopback Detection (LBD) is a protocol-less loop detection function that prevent loop events from causing congestion in uncontrolled network segments such as unmanaged switches or customer networks. The DGS-3000 Series also support 802.1AX and 802.3ad Link Aggregation, which allows grouping of multiple ports in parallel to increase bandwidth and redundancy for high availability and load sharing in a multi-client environment.



Deliver Triple Play Services

The DGS-3000 Series features full L2 multicast functions, including IGMP/MLD snooping, fast leave, and filtering. With L2 multicast support, the switches can handle the increasingly popular IPTV service. Host-based IGMP/MLD Snooping provide service to multiple IPTV subscribers per physical interface and ISM VLAN registers multicast streams in a multicast VLAN to save bandwidth on the network backbone. The ISM VLAN profiles allow users to bind or replace the channel profiles of subscription ports quickly and easily. The DGS-3000 Series also supports IGMP authentication, which can prevent rogue IPTV subscriptions by authenticating Set Top Boxes as well as channel switching to secure Internet Service Provider (ISP) revenues.

The DGS-3000 Series also supports advanced Quality of Service (QoS) functions to help ISPs reliably deliver high-quality triple play services. Flexible packet classification can be based on various header fields or user-defined packet content to help administrators prioritize network traffic. Two-rate and single-rate Three Color Marker (trTCM/srTCM) help classify traffic streams into conforming and nonconforming groups to guarantee the minimum bandwidth for prioritized packets. The Bandwidth Control feature allows ISPs to define the upstream/downstream throughput levels for each port with granularity down to 64 kbps.

Easy Maintenance and Troubleshooting

The DGS-3000 Series features rich Operations, Administration, and Management (OAM) features to help ISPs reduce the burden of maintenance and troubleshooting. Cable diagnostics display the status of Ethernet cables and locate the position of cable errors remotely, helping providers cut onsite support costs. 802.1ag Connectivity Fault Management (CFM) provides administrators with a convenient tool to monitor and troubleshoot end-to-end service networks. This allows service providers to check connectivity, isolate network issues, and identify the affected customers. D-Link Unidirectional Link Detection (DULD) helps detect a broken one-way fiber connection, improving the stability of the fiber infrastructure in a Metropolitan Area Network.

Solid Security with High Availability

The DGS-3000 Series offers various user/device authentication features including 802.1X. Web-based Access Control (WAC)² and MAC-based Access Control (MAC). The clientless WAC² and MAC functions provide convenience for IT managers implementing user/device authentication into a network. It permits administrators to control security without installing client software on each network device; this is especially important for devices on which the software cannot be installed. For a greater security level, the DGS-3000 Series also supports Compound Authentication², letting IT managers choose between multiple authentication methods for any single device. Selectable host-based authentication and authorization provides the option to finely control access by each device in the network. For advanced applications, the switches also provide RADIUS and TACACS accounting information for integration of backend services such as a billing system or advanced user/device control. In mission critical networks, the DGS-3000 Series supports strict address and interface binding function via IP-MAC-Port Binding and ARP Spoofing Prevention to protect the networks from Man-In-The-Middle or ARP Spoofing attacks.

To maintain a high availability network, the DGS-3000 Series uses D-Link Safeguard Engine to manage the CPU and ensure that your network stays up even if it is overloaded by malicious traffic caused by worms and viruses. The switches also support DHCP Screening to filter out unauthorized DHCP offerings from rogue DHCP servers or routers. Other security features such as BPDU Attack Protection, DoS Attack Prevention, and L3 Control Packet Filtering help to block leaks caused by protocol or behavioral security intrusions.

IPv6 Ready

The DGS-3000 Series is IPv6 ready and supports various IPv6 functions such as MLD Snooping, WAC², IPv6 ACL/QoS, and IMPBv6 to ensure seamless integration of next generation networks. The DGS-3000 Series also supports a IPv4/v6 dual stack function that allows the switch to act as a bridge between IPv4 and IPv6 networks. Finally, all DGS-3000 Series are certified to be IPv6 ready, which guarantees interoperability for IPv6 environments.

Technical Specifications	DGS-3000-10TC	DGS-3000-24TC	DGS-3000-26TC
Interface			
Ports	8-Port 10/100/1000BASE-T 2-Port Combo 10/100/1000BASE-T/ SFP	• 20-Port 10/100/1000BASE-T • 4-Port Combo 10/100/1000BASE-T/ SFP	• 20-Port 10/100/1000BASE-T • 4-Port Combo 10/100/1000BASE-T/ SFP • 2-Port 10G SFP+
Optional Redundant Power Supply	DPS-200 ³		
Console Port	RJ-45		
Performance			
Switching Capacity	20 Gbps	48 Gbps	88 Gbps
64 Byte Packet Forwarding Rate	14.88 Mpps	35.71 Mpps	65.48 Mpps
MAC Address Table	16K Entries		



DRAM for CPU		120 MD	
	128 MB		
Packet Buffer Memory	1.5 MB		
Flash Memory		32 MB	
Jumbo Frame		12,288 Bytes	
Physical			
MTBF(hours)	711565.6 h	517194.3 h	472842.5 h
Acoustic	33.8 dB	45.4 dB	47.8 dB
Heat Dissipation	56.26 Btu/h	73.32 Btu/h	100.94 Btu/h
Power Input	AC Input 100 to 240 V AC, 50 to 60 Hz Internal Universal Power Supply		
Max Power Consumption	16.5 W	21.5 W	29.6 W
Dimensions (W x D x H)	228.5 x 195 x 44 mm	441 x 209.9 x 44 mm	441 x 209.9 x 44 mm
Weight	1.11 kg	2.00 kg	2.01 kg
Ventilation	Smart Fan (Turns on at > 26 °C; Turns off at < 20 °C)	Smart Fan (Turns on at $>$ 40 °C; Turns off at $<$ 35 °C)	Smart Fan (High Speed at $>$ 40 $^{\circ}$ C; Low Speed at $<$ 35 $^{\circ}$ C)
Power Surge Protection	All Ethernet ports support IEC61000-4-5 10/700us 6 kV surge protection		
Operation Temperature	0 to 50°C (32 to 122°F)		
Storage Temperature	-40 to 70°C (-40 to 158°F)		
Operation Humidity	10% to 90% RH		
Storage Humidity	5% to 90% RH		
Emission (EMI)	CE, FCC, IC, C-Tick, VCCI, BSMI		
Safety	CB, UL/cUL, BSMI		
Certifications	IPv6 Ready Logo Phase 2		



Virtual Stacking	D-Link Single IP Management Up to 32 units per Virtual Stack		
L2 Features	 16K MAC Address Table Flow Control: 802.3x Flow Control HOL Blocking Prevention Jumbo Frames up to 12K bytes Spanning Tree Protocols: 802.1D STP 802.1w RSTP 802.1s MSTP BPDU Filtering Root Restriction 	 Loopback Detection Link Aggregation: Compliant with 802.1AX and 802.3ad DGS-3000-10TC: Max. 5 groups, 8 ports per group DGS-3000-24TC: Max. 12 groups, 8 ports per group DGS-3000-26TC: Max. 13 groups, 8 ports per group Port Mirroring: Supports 1 Mirroring group Supports One-to-One, Many-to-One, Flow-based (ACL) Mirroring Ethernet Ring Protection Switching (ERPS) L2 Protocol Tunneling (L2PT) 	
L2 Multicasting	 IGMP Snooping: IGMP v1/v2 Snooping, v3 awareness Supports 1024 groups Port/Host-based IGMP Snooping Fast Leave Report Suppression IGMP Authentication IGMP/MLD Proxy Reporting Limited IP Multicast (IGMP Filtering) 	MLD Snooping: MLD v1, MLD v2 awareness Supports 1024 groups Host-based MLD snooping Fast Leave	
VLAN	 VLAN Group: Max. 4094 VLAN Port-based VLAN MAC-based VLAN GVRP: Max. 255 dynamic VLANs 802.1v Protocol VLAN 802.1Q Tagged VLAN 	Double VLAN (Q-in-Q): Port-based Q-in-Q Selective Q-in-Q ISM VLAN VLAN Translation Voice VLAN VLAN Trunking Asymmetric VLAN	
L3 Features	Support 1024 ARP Entries Gratuitous ARP	IPv6 Neighbor Discovery (ND) Default Route	
Quality of Service (QoS)	B queues per port DSCP Boold Bandwidth Control: Port-based (Ingress/Egress, min. granularity 64 kbps) Flow-based (Ingress/Egress, min. granularity 64 kbps) Per egress queue bandwidth control (min. granularity 64 kbps) Queue Handling: Strict Priority Queue (SPQ) Weighted Round Robin (WRR) Deficit Round Robin (DRR) SPQ + WRR Supports the following actions for flows: Remark 802.1p Priority Tag	 Time-based QoS Three Color Marker trTCM srTCM CoS Based on: 802.1p Priority Queues VLAN ID MAC Address Ether Type IPv4/v6 Address IPv6 Traffic Class IPv6 Flow Label DSCP Protocol Type TCP/UDP Port User-Defined Packet Content 	



Access Control List(ACL)	• ACL based on:	•
Access control list(Ace)	• Switch Port	• Up to 1024 ingress access rules
	802.1p Priority	• Time-based ACL
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	• VLAN ID	ACL Statistics
	MAC Address	CPU Interface Filtering
	• Ether Type	
	• IPv4/v6 Address	
	• IPv6 Traffic Class	
	• IPv6 Flow Label	
	• DSCP	
	Protocol Type	
	TCP/UDP Port Number	
	User Defined Packet Content	
Security	• SSH v1/v2	Traffic Segmentation
,	• SSL v1/v2/v3	D-Link Safeguard Engine
	Port Security	L3 Control Packet Filtering
	,	
	• Up to 64 MAC addresses per port	NetBIOS/NetBEUI Filtering
	Broadcast/Multicast/Unicast Storm Control	DHCP Server Screening
	IP-MAC-Port Binding (IMPB):	DHCP Client Filtering
	ARP Inspection	 ARP Spoofing Prevention
	• IP Inspection	BPDU Attack Protection
	DHCP Snooping	Dos Attack Prevention
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AAA	• 802.1X	Compound Authentication ²
	 Port-based Access Control 	Microsoft® NAP (IPv4/v6)
	 Host-based Access Control 	Supports 802.1x NAP
	Dynamic VLAN Assignment	Supports DHCP NAP
	MAC-based Access Control (MAC)	• Guest VLAN
	Port-based Access Control	• RADIUS (IPv4/v6)
	Host-based Access Control	• TACACS
	Dynamic VLAN Assignment	• TACACS+
	 Web-based Access Control (WAC)² 	• XTACACS+
	 Port-based Access Control 	Trusted Host
	Host-based Access Control	 RADIUS Accounting
	Dynamic VLAN Assignment	TACACS+ Accounting
	Japan Web-based Access Control (JWAC)	Four-level User Account
	Host-based Access Control	1 our level oser Account
	Dynamic VLAN Assignment	
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OAM	Cable Diagnostics	802.3ah D-link Unidirectional Link Detection (DULD)
	802.3ah Ethernet Link OAM	• Y.1731 OAM ²
	802.1ag Connectivity Fault Management (CFM)	• sFlow
Green Features	IEEE 802.3az Energy Efficient Ethernet (EEE)	• LED Shut-Off
dicerricatares		• Port Shut-Off
	Power-saving function Title Charters	
	• Link Status	Port Standby
	Cable Length	System Hibernation
Management	Web-based GUI (Supports IPv4/v6)	BootP/DHCP Client
	Command Line Interface (CLI)	• DHCP Server
	Telnet Server/Client (Supports IPv4/v6)	DHCP Relay (Support IPv4)
	• TFTP Client (Supports IPv4/v62)	DHCP Relay Option 60, 61 and 82 BUGD Gline 10, 11, 12, 13, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14
	• FTP Client (Supports IPv4/v6)	DHCP Client Option 12
	• ZModem	 PPPoE Circuit-ID Tag Insertion
	Command Logging	 Multiple Image
	• SNMP v1/v2c/v3	Flash File System
	SNMP Traps	CPU Monitoring
	• System Log	Memory Monitoring
	, ,	, ,
	• SMTP	NTP/SNTP
	• RMON v1:	 Debug Command
	• Supports 1,2,3,9 groups	Password Recovery
	• RMON v2:	Password Encryption
	Supports Probe Config group	• Ping (Supports IPv4/v6)
	I . 202 1 A R I I D D	
	802.1AB LLDP LLDP-MED	 Traceroute Microsoft® NLB (Network Load Balancing) Support



MIB	RFC1065, 1066, 1155, 1156, 2578 MIB Structure RFC1212 Concise MIB Definitions RFC1213 MIB II RFC1215 MIB Traps Convention RFC1493, 4188 Bridge MIB RFC1157, 2571-2576 SNMP MIB RFC11901-1908, 3418, 3636, 1442, 2578 SNMPv2 MIB RFC271,1757, 2819 RMON MIB RFC2021 RMONv2 MIB RFC1398, 1643, 1650, 2358, 2665, 3635 Ether-like MIB RFC2668 802.3 MAU MIB RFC2674, 4363 802.1 p MIB RFC2233, 2863 Interface Group MIB RFC2618 RADIUS Authentication Client MIB	 RFC4022 MIB for TCP RFC4113 MIB for UDP RFC3298 MIB for Diffserv RFC2620 RADIUS Accounting Client MIB RFC 2925 Ping & Traceroute MIB Running configuration write and backup TFTP uploads and downloads Trap MIB RFC 2465 IPv6 MIB RFC 2466 ICMPv6 MIB RFC 2737 Entity MIB RFC 4293 IPv6 SNMP Mgmt Interface MIB Private MIB RFC 3289 DIFFSERV MIB
IETF® Standards	 RFC768 UDP RFC791 IP RFC792 ICMPv4 RFC2463, 4443 ICMPv6 RFC4884 Extended ICMP to Support Multi-Part Messages RFC793 TCP RFC826 ARP RFC1338, 1519 CIDR RFC2474, 3168, 3260 Definition of the DS Field in the IPv4 and IPv6 Header RFC1321, 2284, 2865, 2716, 1759, 3580, 3748 Extensible Authentication Protocol (EAP) RFC2571, RFC2572, RFC2573, RFC2574 SNMP 	
IPv6	 RFC2460 IPv6 RFC2461, 4861 Neighbor Discovery RFC2462, 4862 IPv6 Stateless Address Auto-configuration RFC2464 IPv6 Neighbor over Ethernet and definition RFC3513, 4291 IPv6 Addressing Architecture RFC2893, 4213 IPv4/IPv6 dual stack function IPv6 Ready Logo Phase 2 	
Ordering Information		
DGS-3000-10TC	8-Port 10/100/1000 BASE-T + 2-Port Combo 10/100/1000l	BASE-T/SFP, L2 Management Switch
DGS-3000-24TC	20-Port 10/100/1000 BASE-T + 4-Port Combo 10/100/1000BASE-T/SFP, L2 Management Switch	
DGS-3000-26TC	20-Port 10/100/1000 BASE-T + 4-Port Combo 10/100/1000BASE-T/SFP + 2-Port 10G SFP+, L2 Management Switch	
Redundant Power Supply and Cab	le	
DPS-200	60-watt RPS with a 1-meter DC power cable	
DPS-CB150-2PS	The RPS cable for DGS-3000 and DPS-200	
Optional Management Software		
DV-600S	D-View 6.0 Network Management System (Standard Edition)	
DV-600P	D-View 6.0 Network Management System (Professional Edition)	
Optional Accessories		
DEM-CB100S	10-GbE SFP+ 1m Direct Attach Cable	
DEM-CB300S	10-GbE SFP+ 3m Direct Attach Cable	
DEM-CB500S	10-GbE SFP+ 5m Direct Attach Cable	
DEM-CB700S	10-GbE SFP+ 7m Direct Attach Cable	
DEM-CB100QXS-4XS	40G QSFP+ to 4-Port 10G SFP+ 1m Direct Attach Cable	
Optional SFP Transceivers		

DEM-310GT 1000BASE-LX, Single-mode, 10 km DEM-311GT 1000BASE-SX, Mutli-mode, 550 m DEM-312GT2 1000BASE-SX, Mutli-mode, 2 km DEM-314GT 1000BASE-LHX, Single-mode, 50 km DEM-315GT 1000BASE-LX, Single-mode, 80 km DGS-712 1000BASE-T Copper SFP Transceiver DEM-210 100Mbps Single-Mode SFP Transceiver, 15 km DEM-211 100Mbps Multi-Mode SFP Transceiver, 2 km Optional WDM SFP Transceivers DEM-302S-BXD Gigabit WDM(BID) Single-Mode 2KM SFP Transceiver (TX-1550/RX-1310 nm) DEM-303C-BXU Gigabit WDM(BID) Single-Mode 10KM SFP Transceiver (TX-1310/RX-1550 nm) DEM-330R Gigabit WDM(BID) Single-Mode 10KM SFP Transceiver (TX-1310/RX-1550 nm) DEM-330T Gigabit WDM(BID) Single-Mode 10KM SFP Transceiver (TX-1310/RX-1550 nm) Optional SFP+Transceivers DEM-431XT DEM-431XT 10GBASE-SR SFP+ Transceiver (w/o DDM), 80 m; OM1 & OM2 MMF, 300 m; OM3 MMF DEM-432XT 10GBASE-LR SFP+ Transceiver (with DDM), 10 km DEM-433XT 10GBASE-LR SFP+ Transceiver (with DDM), 10 km DEM-433XT 10GBASE-LR MSFP+ Transceiver (with DDM), 20 m; OM1 & OM2 MMF, 300 m; OM3 MMF DEM				
DEM-312GT2 1000BASE-SK, Multi-mode, 2 km DEM-314GT 1000BASE-LHX, Single-mode, 50 km DEM-315GT 1000BASE-ZX, Single-mode, 80 km DGS-712 1000BASE-T Copper SFP Transceiver DEM-210 100Mbps Single-Mode SFP Transceiver, 15 km DEM-211 100Mbps Multi-Mode SFP Transceiver, 2 km Optional WDM SFP Transceivers DEM-302S-BXD Gigabit WDM(BiDi) Single-Mode 2kM SFP Transceiver (TX-1550/RX-1310 nm) DEM-302S-BXU Gigabit WDM(BiDi) Single-Mode 2kM SFP Transceiver (TX-1310/RX-1550 nm) DEM-330R Gigabit WDM(BiDi) Single-Mode 10KM SFP Transceiver (TX-1310/RX-1550 nm) DEM-330T Gigabit WDM(BiDi) Single-Mode 10KM SFP Transceiver (TX-1310/RX-1550 nm) Optional SFP+ Transceivers DEM-431XT DEM-431XT 10GBASE-SR SFP+ Transceiver (w/o DDM), 80 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-432XT 10GBASE-LR SFP+ Transceiver (w/o DDM), 10 km DEM-433XT 10GBASE-LR SFP+ Transceiver (w/o DDM), 40 km DEM-433XT-DD 10GBASE-LR SFP+ Transceiver (w/o DDM), 40 km DEM-435XT-DD 10GBASE-LR SFP+ Transceiver (w/o DDM), 20 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR SFP+ Transceiver (w/o DDM), 20 m: OM1	DEM-310GT	1000BASE-LX, Single-mode, 10 km		
DEM-314GT 1000BASE-LHX, Single-mode, 50 km DEM-315GT 1000BASE-ZX, Single-mode, 80 km DGS-712 1000BASE-T Copper SFP Transceiver DEM-210 100Mbps Single-Mode SFP Transceiver, 15 km DEM-211 100Mbps Multi-Mode SFP Transceiver, 2 km Optional WDM SFP Transceivers DEM-3025-BXD Gigabit WDM(BiDi) Single-Mode 2kM SFP Transceiver (TX-1550/RX-1310 nm) DEM-3025-BXU Gigabit WDM(BiDi) Single-Mode 2kM SFP Transceiver (TX-1310/RX-1550 nm) DEM-330R Gigabit WDM(BiDi) Single-Mode 10kM SFP Transceiver (TX-1310/RX-1550 nm) DEM-330T Gigabit WDM(BiDi) Single-Mode 10kM SFP Transceiver (TX-1310/RX-1550 nm) Optional SFP+ Transceivers DEM-431XT DEM-431XT 10GBASE-SR SFP+ Transceiver (w/o DDM), 80 m; OM1 & OM2 MMF, 300 m; OM3 MMF DEM-432XT 10GBASE-LR SFP+ Transceiver (with DDM), 10 km DEM-432XT-DD 10GBASE-LR SFP+ Transceiver (w/o DDM), 10 km DEM-433XT-DD 10GBASE-ER SFP+ Transceiver (with DDM), 40 km DEM-435XT-DD 10GBASE-LR SFP+ Transceiver (with DDM), 20 m; OM1 & OM2 MMF, 300 m; OM3 MMF DEM-435XT-DD 10GBASE-LR SFP+ Transceiver (with DDM), 20 m; OM1 & OM2 MMF, 300 m; OM3 MMF DEM-435XT-DD	DEM-311GT	1000BASE-SX, Mutli-mode, 550 m		
DEM-315GT 10008ASE-ZX, Single-mode, 80 km DGS-712 10008ASE-T Copper SFP Transceiver DEM-210 100Mbps Single-Mode SFP Transceiver, 15 km DEM-211 100Mbps Multi-Mode SFP Transceiver, 2 km Optional WDM SFP Transceivers DEM-302S-BXD Gigabit WDM(BiD) Single-Mode 2KM SFP Transceiver (TX-1550/RX-1310 nm) DEM-302S-BXU Gigabit WDM(BiD) Single-Mode 2KM SFP Transceiver (TX-1310/RX-1550 nm) DEM-330R Gigabit WDM(BiD) Single-Mode 10KM SFP Transceiver (TX-1310/RX-1550 nm) DEM-330T Gigabit WDM(BiD) Single-Mode 10KM SFP Transceiver (TX-1350/RX-1310 nm) Optional SFP+ Transceivers DEM-431XT 10GBASE-SR SFP+ Transceiver (w/o DDM), 80 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-431XT-DD 10GBASE-LR SFP+ Transceiver (w/o DDM), 10 km DEM-432XT 10GBASE-LR SFP+ Transceiver (w/o DDM), 10 km DEM-433XT-DD 10GBASE-LR SFP+ Transceiver (w/o DDM), 40 km DEM-435XT-DD 10GBASE-LR M SFP+ Transceiver (w/o DDM), 20 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR M SFP+ Transceiver (w/o DDM), 20 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR M SFP+ Transceiver (w/o DDM), 20 m: OM1 & OM2 MMF, 300 m: OM3 MMF <td>DEM-312GT2</td> <td>1000BASE-SX, Multi-mode, 2 km</td>	DEM-312GT2	1000BASE-SX, Multi-mode, 2 km		
DGS-712 1000BASE-T Copper SFP Transceiver DEM-210 100Mbps Single-Mode SFP Transceiver, 15 km DEM-211 100Mbps Multi-Mode SFP Transceiver, 2 km Optional WDM SFP Transceivers DEM-3025-BXD Gigabit WDM(BiDi) Single-Mode 2KM SFP Transceiver (TX-1550/RX-1310 nm) DEM-3025-BXU Gigabit WDM(BiDi) Single-Mode 10KM SFP Transceiver (TX-1310/RX-1550 nm) DEM-330R Gigabit WDM(BiDi) Single-Mode 10KM SFP Transceiver (TX-1310/RX-1550 nm) DEM-330T Gigabit WDM(BiDi) Single-Mode 10KM SFP Transceiver (TX-1310/RX-1550 nm) Optional SFP+ Transceivers DEM-431XT 10GBASE-SR SFP+ Transceiver (w/o DDM), 80 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-431XT-DD 10GBASE-R SFP+ Transceiver (w/o DDM), 80 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-432XT 10GBASE-LR SFP+ Transceiver (w/o DDM), 10 km DEM-433XT 10GBASE-LR SFP+ Transceiver (w/o DDM), 40 km DEM-433XT-DD 10GBASE-LR M SFP+ Transceiver (w/o DDM), 20 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT 10GBASE-LRM SFP+ Transceiver (w/o DDM), 20 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR M SFP+ Transceiver (w/o DDM), 20 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR M SFP+ Transceiver (w/o DDM), 20 m: OM1 & OM2 MMF, 300 m: OM3 MMF<	DEM-314GT	1000BASE-LHX, Single-mode, 50 km		
DEM-210 100Mbps Single-Mode SFP Transceiver, 15 km DEM-211 100Mbps Multi-Mode SFP Transceiver, 2 km Optional WDM SFP Transceivers DEM-302S-BXD Gigabit WDM(BiDi) Single-Mode 2KM SFP Transceiver (TX-1550/RX-1310 nm) DEM-302S-BXU Gigabit WDM(BiDi) Single-Mode 2KM SFP Transceiver (TX-1310/RX-1550 nm) DEM-330R Gigabit WDM(BiDi) Single-Mode 10KM SFP Transceiver (TX-1310/RX-1550 nm) DEM-330T Gigabit WDM(BiDi) Single-Mode 10KM SFP Transceiver (TX-1310/RX-1550 nm) Optional SFP+ Transceivers DEM-431XT 10GBASE-SR SFP+ Transceiver (w/o DDM), 80 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-431XT-DD 10GBASE-LR SFP+ Transceiver (with DDM), 80 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-432XT 10GBASE-LR SFP+ Transceiver (with DDM), 10 km DEM-433XT 10GBASE-LR SFP+ Transceiver (with DDM), 40 km DEM-433XT-DD 10GBASE-ER SFP+ Transceiver (with DDM), 20 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR SFP+ Transceiver (with DDM), 20 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR SFP+ Transceiver (with DDM), 20 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR M SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR M SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF	DEM-315GT	1000BASE-ZX, Single-mode, 80 km		
DEM-211 DEM-211 100Mbps Multi-Mode SFP Transceiver, 2 km DEM-302S-BXD Gigabit WDM(BiDi) Single-Mode 2KM SFP Transceiver (TX-1550/RX-1310 nm) DEM-302S-BXU Gigabit WDM(BiDi) Single-Mode 2KM SFP Transceiver (TX-1310/RX-1550 nm) DEM-330R Gigabit WDM(BiDi) Single-Mode 10KM SFP Transceiver (TX-1310/RX-1550 nm) DEM-330T Gigabit WDM(BiDi) Single-Mode 10KM SFP Transceiver (TX-1310/RX-1550 nm) Optional SFP+ Transceivers DEM-431XT 10GBASE-SR SFP+ Transceiver (w/o DDM), 80 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-431XT 10GBASE-SR SFP+ Transceiver (w/o DDM), 10 km DEM-432XT 10GBASE-LR SFP+ Transceiver (w/o DDM), 10 km DEM-433XT 10GBASE-SF SFP+ Transceiver (w/o DDM), 40 km DEM-433XT 10GBASE-SF SFP+ Transceiver (w/o DDM), 40 km DEM-435XT-DD 10GBASE-LR M SFP+ Transceiver (w/o DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR M SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR M SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR BIDI SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR BIDI SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF	DGS-712	1000BASE-T Copper SFP Transceiver		
DEM-302S-BXD Gigabit WDM(BiDi) Single-Mode 2KM SFP Transceiver (TX-1550/RX-1310 nm) DEM-302S-BXU Gigabit WDM(BiDi) Single-Mode 2KM SFP Transceiver (TX-1310/RX-1550 nm) DEM-330R Gigabit WDM(BiDi) Single-Mode 10KM SFP Transceiver (TX-1310/RX-1550 nm) DEM-330T Gigabit WDM(BiDi) Single-Mode 10KM SFP Transceiver (TX-1310/ RX-1550 nm) Optional SFP+ Transceivers DEM-431XT 10GBASE-SR SFP+ Transceiver (w/o DDM), 80 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-431XT-DD 10GBASE-SR SFP+ Transceiver (w/o DDM), 80 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-432XT 10GBASE-LR SFP+ Transceiver (w/o DDM), 10 km DEM-432XT-DD 10GBASE-LR SFP+ Transceiver (w/o DDM), 40 km DEM-433XT-DD 10GBASE-ER SFP+ Transceiver (w/o DDM), 40 km DEM-433XT-DD 10GBASE-LR SFP+ Transceiver (w/o DDM), 20 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR M SFP+ Transceiver (w/o DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR M SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR M SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR BIDI SFP+ Transceiver (w/o DDM), 20 km; TX: 1270 nm, RX: 1330 nm	DEM-210	100Mbps Single-Mode SFP Transceiver, 15 km		
DEM-302S-BXD Gigabit WDM(BiDi) Single-Mode 2KM SFP Transceiver (TX-1550/RX-1310 nm) DEM-302S-BXU Gigabit WDM(BiDi) Single-Mode 2KM SFP Transceiver (TX-1310/RX-1550 nm) DEM-330R Gigabit WDM(BiDi) Single-Mode 10KM SFP Transceiver (TX-1310/RX-1550 nm) DEM-330T Gigabit WDM(BiDi) Single-Mode 10KM SFP Transceiver (TX-1310/RX-1550 nm) DEM-330T Optional SFP+ Transceivers DEM-431XT 10GBASE-SR SFP+ Transceiver (w/o DDM), 80 m: OM1 & OM2 MMF,300 m: OM3 MMF DEM-431XT-DD 10GBASE-SR SFP+ Transceiver (w/th DDM), 80 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-432XT 10GBASE-LR SFP+ Transceiver (w/th DDM), 10 km DEM-432XT-DD 10GBASE-LR SFP+ Transceiver (w/o DDM), 10 km DEM-433XT-DD 10GBASE-ER SFP+ Transceiver (w/th DDM), 40 km DEM-433XT-DD 10GBASE-LR SFP+ Transceiver (w/th DDM), 40 km DEM-435XT 10GBASE-LR SFP+ Transceiver (with DDM), 20 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR SFP+ Transceiver (with DDM), 20 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR SFP+ Transceiver (with DDM), 20 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR SFP+ Transceiver (with DDM), 20 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-436XT-BXU 10GBASE-LR BIDI SFP+ Transceiver (w/o DDM), 20 km; TX: 1270 nm, RX: 1330 nm	DEM-211	100Mbps Multi-Mode SFP Transceiver, 2 km		
DEM-302S-BXU Gigabit WDM(BiDi) Single-Mode 2KM SFP Transceiver (TX-1310/RX-1550 nm) DEM-330R Gigabit WDM(BiDi) Single-Mode 10KM SFP Transceiver (TX-1310/RX-1550 nm) DEM-330T Gigabit WDM(BiDi) Single-Mode 10KM SFP Transceiver (TX-1550/RX-1310 nm) Optional SFP+ Transceivers DEM-431XT 10GBASE-SR SFP+ Transceiver (w/o DDM), 80 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-431XT-DD 10GBASE-SR SFP+ Transceiver (with DDM), 80 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-432XT 10GBASE-LR SFP+ Transceiver (w/o DDM), 10 km DEM-432XT-DD 10GBASE-LR SFP+ Transceiver (w/o DDM), 10 km DEM-433XT 10GBASE-ER SFP+ Transceiver (w/o DDM), 40 km DEM-433XT-DD 10GBASE-LR SFP+ Transceiver (w/o DDM), 40 km DEM-435XT 10GBASE-LR M SFP+ Transceiver (w/o DDM), 20 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR M SFP+ Transceiver (w/o DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR M SFP+ Transceiver (w/o DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR M SFP+ Transceiver (w/o DDM), 20 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR M SFP+ Transceiver (w/o DDM), 20 m: OM1 & OM2 MMF, 300 m: OM3 MMF	Optional WDM SFP Transceivers			
DEM-330R Gigabit WDM(BiDi) Single-Mode 10KM SFP Transceiver (TX-1310/RX-1550 nm) DEM-330T Gigabit WDM(BiDi) Single-Mode 10KM SFP Transceiver (TX-1550/RX-1310 nm) Optional SFP+ Transceivers DEM-431XT 10GBASE-SR SFP+ Transceiver (w/o DDM), 80 m: OM1 & OM2 MMF,300 m: OM3 MMF DEM-431XT-DD 10GBASE-SR SFP+ Transceiver (with DDM), 80 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-432XT 10GBASE-LR SFP+ Transceiver (with DDM), 10 km DEM-432XT-DD 10GBASE-LR SFP+ Transceiver (with DDM), 10 km DEM-433XT 10GBASE-ER SFP+ Transceiver (with DDM), 40 km DEM-433XT-DD 10GBASE-ER SFP+ Transceiver (with DDM), 40 km DEM-435XT 10GBASE-LR SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR M SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR M SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-436XT-BXU 10GBASE-LR BIDI SFP+ Transceiver (w/o DDM), 20 km; TX: 1270 nm, RX: 1330 nm	DEM-302S-BXD	Gigabit WDM(BiDi) Single-Mode 2KM SFP Transceiver (TX-1550/RX-1310 nm)		
DEM-330T Gigabit WDM(BiDi) Single-Mode 10KM SFP Transceiver (TX-1550/ RX-1310 nm) Optional SFP+ Transceivers DEM-431XT 10GBASE-SR SFP+ Transceiver (w/o DDM), 80 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-431XT-DD 10GBASE-SR SFP+ Transceiver (with DDM), 80 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-432XT 10GBASE-LR SFP+ Transceiver (w/o DDM), 10 km DEM-432XT-DD 10GBASE-LR SFP+ Transceiver (with DDM), 10 km DEM-433XT 10GBASE-ER SFP+ Transceiver (w/o DDM), 40 km DEM-433XT-DD 10GBASE-ER SFP+ Transceiver (with DDM), 40 km DEM-435XT 10GBASE-LR M SFP+ Transceiver (w/o DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-436XT-BXU 10GBASE-LR BiDi SFP+ Transceiver (w/o DDM), 20 km; TX: 1270 nm, RX: 1330 nm	DEM-302S-BXU	Gigabit WDM(BiDi) Single-Mode 2KM SFP Transceiver (TX-1310/RX-1550 nm)		
DEM-431XT 10GBASE-SR SFP+ Transceiver (w/o DDM), 80 m: OM1 & OM2 MMF,300 m: OM3 MMF DEM-431XT-DD 10GBASE-SR SFP+ Transceiver (with DDM), 80 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-432XT 10GBASE-LR SFP+ Transceiver (w/o DDM), 10 km DEM-432XT-DD 10GBASE-LR SFP+ Transceiver (with DDM), 10 km DEM-433XT 10GBASE-ER SFP+ Transceiver (w/o DDM), 40 km DEM-433XT-DD 10GBASE-ER SFP+ Transceiver (with DDM), 40 km DEM-435XT 10GBASE-LR M SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LRM SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-436XT-DD 10GBASE-LRM SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-436XT-BXU 10GBASE-LR BIDI SFP+ Transceiver (w/o DDM), 20 km; TX: 1270 nm, RX: 1330 nm	DEM-330R	Gigabit WDM(BiDi) Single-Mode 10KM SFP Transceiver (TX-1310/ RX-1550 nm)		
DEM-431XT 10GBASE-SR SFP+ Transceiver (w/o DDM), 80 m: OM1 & OM2 MMF,300 m: OM3 MMF DEM-431XT-DD 10GBASE-SR SFP+ Transceiver (with DDM), 80 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-432XT 10GBASE-LR SFP+ Transceiver (w/o DDM), 10 km DEM-432XT-DD 10GBASE-LR SFP+ Transceiver (with DDM), 10 km DEM-433XT 10GBASE-ER SFP+ Transceiver (w/o DDM), 40 km DEM-433XT-DD 10GBASE-ER SFP+ Transceiver (with DDM), 40 km DEM-435XT 10GBASE-LRM SFP+ Transceiver (w/o DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LRM SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-436XT-BXU 10GBASE-LR BIDI SFP+ Transceiver (w/o DDM), 20 km; TX: 1270 nm, RX: 1330 nm	DEM-330T	Gigabit WDM(BiDi) Single-Mode 10KM SFP Transceiver (TX-1550/ RX-1310 nm)		
DEM-431XT-DD 10GBASE-LR SFP+ Transceiver (with DDM), 80 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-432XT 10GBASE-LR SFP+ Transceiver (w/o DDM), 10 km DEM-432XT-DD 10GBASE-LR SFP+ Transceiver (with DDM), 10 km DEM-433XT 10GBASE-ER SFP+ Transceiver (w/o DDM), 40 km DEM-433XT-DD 10GBASE-ER SFP+ Transceiver (with DDM), 40 km DEM-435XT 10GBASE-LRM SFP+ Transceiver (w/o DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LRM SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LR BIDI SFP+ Transceiver (w/o DDM), 20 km; TX: 1270 nm, RX: 1330 nm	Optional SFP+ Transceivers	Optional SFP+ Transceivers		
DEM-432XT 10GBASE-LR SFP+ Transceiver (w/o DDM), 10 km DEM-432XT-DD 10GBASE-LR SFP+ Transceiver (with DDM), 10 km DEM-433XT 10GBASE-ER SFP+ Transceiver (w/o DDM), 40 km DEM-433XT-DD 10GBASE-ER SFP+ Transceiver (with DDM), 40 km DEM-435XT 10GBASE-LRM SFP+ Transceiver (w/o DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LRM SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-436XT-BXU 10GBASE-LR BiDi SFP+ Transceiver (w/o DDM), 20 km; TX: 1270 nm, RX: 1330 nm	DEM-431XT	10GBASE-SR SFP+ Transceiver (w/o DDM), 80 m: OM1 & OM2 MMF,300 m: OM3 MMF		
DEM-432XT-DD 10GBASE-LR SFP+ Transceiver (with DDM), 10 km DEM-433XT 10GBASE-ER SFP+ Transceiver (w/o DDM), 40 km DEM-433XT-DD 10GBASE-ER SFP+ Transceiver (with DDM), 40 km DEM-435XT 10GBASE-LRM SFP+ Transceiver (w/o DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LRM SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-436XT-BXU 10GBASE-LR BiDi SFP+ Transceiver (w/o DDM), 20 km; TX: 1270 nm, RX: 1330 nm	DEM-431XT-DD	10GBASE-SR SFP+ Transceiver (with DDM), 80 m: OM1 & OM2 MMF, 300 m: OM3 MMF		
DEM-433XT 10GBASE-ER SFP+ Transceiver (w/o DDM), 40 km DEM-433XT-DD 10GBASE-ER SFP+ Transceiver (with DDM), 40 km DEM-435XT 10GBASE-LRM SFP+ Transceiver (w/o DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LRM SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-436XT-BXU 10GBASE-LR BiDi SFP+ Transceiver (w/o DDM), 20 km; TX: 1270 nm, RX: 1330 nm	DEM-432XT	10GBASE-LR SFP+ Transceiver (w/o DDM), 10 km		
DEM-433XT-DD 10GBASE-ER SFP+ Transceiver (with DDM), 40 km DEM-435XT 10GBASE-LRM SFP+ Transceiver (w/o DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LRM SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-436XT-BXU 10GBASE-LR BiDi SFP+ Transceiver (w/o DDM), 20 km; TX: 1270 nm, RX: 1330 nm	DEM-432XT-DD	10GBASE-LR SFP+ Transceiver (with DDM), 10 km		
DEM-435XT 10GBASE-LRM SFP+ Transceiver (w/o DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-435XT-DD 10GBASE-LRM SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-436XT-BXU 10GBASE-LR BiDi SFP+ Transceiver (w/o DDM), 20 km; TX: 1270 nm, RX: 1330 nm	DEM-433XT	10GBASE-ER SFP+ Transceiver (w/o DDM), 40 km		
DEM-435XT-DD 10GBASE-LRM SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF DEM-436XT-BXU 10GBASE-LR BiDi SFP+ Transceiver (w/o DDM), 20 km; TX: 1270 nm, RX: 1330 nm	DEM-433XT-DD	10GBASE-ER SFP+ Transceiver (with DDM), 40 km		
DEM-436XT-BXU 10GBASE-LR BiDi SFP+ Transceiver (w/o DDM), 20 km; TX: 1270 nm, RX: 1330 nm	DEM-435XT	10GBASE-LRM SFP+ Transceiver (w/o DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF		
	DEM-435XT-DD	10GBASE-LRM SFP+ Transceiver (with DDM), 220 m: OM1 & OM2 MMF, 300 m: OM3 MMF		
DEM-436XT-BXD 10GBASE-LR BiDi SFP+ Transceiver (w/o DDM), 20 km; TX: 1330 nm, RX: 1270 nm	DEM-436XT-BXU	10GBASE-LR BiDi SFP+ Transceiver (w/o DDM), 20 km; TX: 1270 nm, RX: 1330 nm		
	DEM-436XT-BXD	10GBASE-LR BiDi SFP+ Transceiver (w/o DDM), 20 km; TX: 1330 nm, RX: 1270 nm		

Updated June 24, 2013



DGS-3000-24TC and DGS-3000-26TC only
 Available in the future
 Please use DPS-CB150-2PS for connecting DPS-200 to DGS-3000.