

Product Highlights

Enterprise Ready High Performance Solution

Next-generation Gigabit networking technology is capable of providing high performance bandwidth and scalability that exceed all expectations

Super Reliability

Fault-tolerant topologies ensure rock-solid connectivity, and D-Link Green technology provides eco-friendly power-saving

Comprehensive Security Solution

Support for multiple user authentication methods as well as IP-MAC-Port Binding to help secure the network environment





DGS-6600 Series

Chassis-Based Switches

Designed for Enterprise LAN and MAN

- Deployable as an enterprise aggregation switch or metro aggregation switch
- Support IPv6, MPLS services
- User-selectable AC and DC Power Supplies¹

Superior Performance

- Switch fabric with up to 1.152 Tbps, 857 Mpps packet forwarding
- Distributed packet switching/routing
- Intelligent line cards with on-board L2/L3/L4 switching controller

Flexible Modular Design

- 4-Slot and 8-Slot Chassis
- Scalable expansion to 288 10/100/1000BASE-T, 288 PoE, 288 SFP, or 96 10-Gigabit ports
- Dual Control Modules / Multi Power Supplies

High Reliability

- Up to 8 redundant load-sharing power modules
- Hot-swappable line cards
- Replaceable fan modules
- 802.1D/1w/1s Spanning Tree, 802.1AX, 802.3ad link aggregation
- VRRP & ERPS support

Security

- · L2/L3/L4 multi-layer access control
- External RADIUS authentication support
- SSH

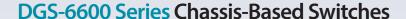
The D-Link's DGS-6600 Series Chassis-Based Switches are intelligent and high-performance multi-layer LAN devices designed for Enterprise local area networks (LAN), campus, and metropolitan area networks (MAN). They are ideal for deployment in environments that require uninterrupted running of network applications and a high level of performance, security, and control.

Featuring a flexible modular architecture and industry standard compliance, these switches provide scalability and a high level of investment protection for businesses to deploy Gigabit and 10-Gigabit packet switching and routing for office networking and Ethernet-based Internet services to homes. The DGS-6600 Series is equipped with high-speed switch fabric, and advanced software functions, including complete IPv6 support. These switches provide the performance, high availability and future-proof architecture suitable for applications of today and of the future.

High Availability

The DGS-6608 provides 2 slots for control modules. Each control module is equipped with its own switch fabric and management agent, and can be used for redundant backup and sharing of network load and management tasks. The DGS-6604/8 provides up to 4/8 redundant load-sharing power supplies and a hot swappable fan module to create a very highly available chassis-based device suitable for mission-critical network applications.

The DGS-6600 Series offers end-to-end connectivity and granular application control with two chassis supporting a wide range of port modules. The DGS-6604 has 576 Gbps backplane capacity and comes in a 4-slot chassis form factor that allows for 1 control module and 3 user-selectable port modules. The DGS-6604 form factor allows up to 4 slots for 3+1 redundant power supplies as well as having a replaceable fan tray and modular dust filter. The DGS-6604 has 1.152 Tbps backplane capacity and comes in a 8-slot chassis form factor that allows for 2 slots for dual control modules and 6 slots for user-selectable port modules. The DGS-6608 form factor allows up to 8 slots for 4+4 redundant power supplies as well as having a replaceable fan tray and modular dust filter.





Deployable as Aggregation Switch

Using a common set of modules for 10/100/1000BASE-T ports, PoE support, SFP, and 10-Gigabit uplinks, IT personnel can fit a DGS-6600 Series switch with different port types and deploy it either as a core switch or an aggregation (i.e. distribution) switch which can provide high port density connections to workstations in an office environment, or to a subscriber's CPE in a densely populated Ethernet metro area network.

High Performance

To make use of this high-performance hardware, the DGS-6600 Series utilize a distribution switching method which has each line card (the port module that directly connects to the network nodes) intelligently determine the switch path for each data packet. The switches synchronize the switching and routing information between the control cards and the line cards to map out the fastest data transfer path. With each line card capable of performing L2/3/4 on-board packet switching without reliance on the control cards, the DGS-6600 Series switches can deliver very fast packet forwarding at almost zero-wait speed.

Enterprise-Wide Security

The DGS-6600 Series provides not only network access security but also protection against virus and worm attacks. Access security is provided through comprehensive policy-based ACL, port security, and IP-MAC-Port binding features. Attacks hidden behind control protocols are thwarted to prevent the switch's CPU from being overwhelmed with unnecessary tasks which can cause degradation to a network's performance. The DGS-6600 Series extends security to network management via such functions as SSH v2 and SNMP v3 with authentication and encryption of management traffic.

High Port Densities

Port densities can reach 144 Gigabit or 48 10-Gigabit ports per 4-slot chassis, or 288 Gigabit or 96 10-Gigabit ports per 8-slot chassis. All port modules are hot-swappable, and can be used in either chassis type without the need to change hardware or software settings. By providing up to 96 10GE ports with each port running at non-blocking rates, it can help enterprises migrate to a 10G backbone.

Traffic Management for Triple Play

The DGS-6600 Series implements a rich set of multilayer QoS/CoS features including flow-based bandwidth control and broadcast/multicast storm control to ensure that critical network services such as VoIP, video conferencing, IPTV, and IP surveillance are served with high priority. Bandwidth control guarantees bandwidth of these services when the network is busy. With L2 Multicast support, the DGS-6600 Series is capable of handling growing IPTV applications.

Complete IPv6 Support

The DGS-6600 Series provides complete support for IPv6 to accommodate the potential huge increase in number of users and geographical needs of the expanding Internet. It addresses the requirements of emerging applications such as Internet-enabled wireless devices, home and industrial appliances, Internet-connected transportation, integrated telephony services, sensor networks, distributed computing, and gaming. The use of globally unique IPv6 addresses simplifies the mechanisms used for reachability and end-to-end security for network devices that are crucial to the applications and services that are driving the demand for IP addresses.

Application Convergence

The DGS-6600 Series combines high-speed hardware with software functions like prioritized traffic QoS and multicast routing to deliver performance suitable for real-time applications such as Internet telephony, streaming multimedia, and TV. In addition, these switches offer Power over Ethernet (PoE) solutions to provide both electrical power and network connectivity to PoE- capable devices such as IP phones and wireless AP, and are ideal for large-scale enterprise edge deployment. An example of this application convergence would be VoIP for mobile users via wireless access points connected through DGS-6600 Series switches.

MPLS Functions

The DGS-6600 Series supports advanced Multiprotocol Label Switching (MPLS) functions that enable service providers to build next-generation intelligent networks and deliver a wide variety of advanced, value-added services over a single infrastructure. The DGS-6600 Series MPLS function allow service providers to provide point-to-point VPN service, VPWS (VLL) and point-to-multi-point VPN service, VPLS services to enterprise customers. This solution can be integrated seamlessly over any existing infrastructure, such as IP, Frame Relay, ATM, or Ethernet. Subscribers with differing access links can be aggregated on an MPLS edge without changing their current environments, as MPLS is independent of access technologies.

Green Technology

D-Link is striving to take the lead in developing innovative and power-saving technology that does not sacrifice operational performance or functionality. The DGS-6600 Series incorporates D-Link Green Technology, which includes a power saving mode, Smart Fan, and Time-based PoE. The power saving feature automatically powers down ports that have no link or link partner. The Smart Fan feature allows for the built-in fans to automatically turn on only if a specified temperature is exceeded, providing continuous, reliable and eco-friendly operation of the switch. Time-based PoE is able to turn PoE on/off per port by a pre-defined time profile to reduce PoE power consumption.



Technical Specifications			
Chassis	DGS-6604	DGS-6608	
Chassis Slots	• 4	• 8	
Fixed Slots (for Control Modules)	• 1	• 2	
Open Slots (for Port Modules)	• 3	• 6	
Max. Switching Capacity	• 576 Gbps	• 1.152Tbps	
Max. Packet Forwarding Rate	• 428.57 Mpps	• 857.14 Mpps	
Maximum Port Density			
10/100/1000Base-T Ports	• 144	• 288	
10/100/1000Base-T Ports with PoE	• 144	• 288	
Gigabit SFP Slots	• 144	• 288	
10-Gigabit SFP+ Slots	• 48	• 96	
Physical			
Dimensions (W x D x H)	• 445 mm × 470 mm × 280 mm (6.3U) 17.51 in × 18.5 in × 11 in	• 445mm×470mm×500mm (11.25U) 17.51 in x 18.5 in x 19.68 in	
Operating Temperature	• 0° to 5	• 0° to 50°C (32 to 122°F)	
Storage Temperature	• -40° to 7	• -40° to 70°C (-40 to 158°F)	
Operating Humidity	• 10'	• 10% to 90% RH	
Storage Humidity	• 59	• 5% to 90% RH	
Emission (EMI)		• FCC Class A • CE • C-Tick • VCCI • ICES-003	
Safety		• cUL • CB	
Software Features			
L2 Features	MAC Address Table -32K per I/O module Flow Control -802.3x Flow Control -HOL Blocking Prevention Jumbo Frame up to 9,732 bytes IGMP Snooping -IGMP v1/v2/v3 Snooping -Support 2K groups -IGMP Proxy² -Host-based IGMP Snooping Fast Leave² 802.3ad Link Aggregation -Compliant with 802.1AX and 802.3ad -Max. 128 groups per device, 8 ports per group -Support cross-module trunk	 Port Mirroring: Support 3 mirroring groups One-to-One, Many-to-One, Port mirroring for Tx/Rx/Both Flow-based and RSPAN MLD Snooping MLD v1/v2 Snooping Support 2K groups Host-based MLD snooping Fast Leave² Loopback detection L2 Protocol Tunneling² 	



L3 Features	Max. 4K IP Interfaces ARP Proxy	IPv6 Neighbor Discovery (ND)IPv6 Phase 2 Ready
	• VRRP	• Gratuitous ARP ²
	IPv6 Tunneling	Loopback interface
		* LOOPDACK IIIterrace
	-Manual	
	-ISATAP	
	-6to4	
VLAN	VLAN Group	Double VLAN (Q-in-Q)
	Max. 4K VLAN	-Port-based Q-in-Q
	• GVRP	-Selective Q-in-Q
	-Max. 256 dynamic VLANs	VLAN Translation
	802.1Q Tagged VLAN	MAC-based VLAN
	Port-based VLAN	Subnet-based VLAN
	802.1v Protocol VLAN	VLAN Trunking
	Super VLAN	VEARITHINING
12.0		0.505
L3 Routing	 12K hardware routing engines shared by IPv4/IPv6 8K hardware L3 forwarding entries shared by IPv4/ 	OSPF -Support OSPF v2/v3
	IPv6	-OSPF Passive Interface
	• 256 static routing entries for IPv4/IPv6	-Stub/NSSA Area
	-Support for ECMP	-OSPF Equal Cost Route
	-Support for WCMP ²	• BGP4
	Policy-Based Routing	• BGP+ ²
	• RIP v1/v2/ng	
L3 Multicasting	Up to 4K hardware multicast groups	• PIM-SM v6 ²
25	• PIM-DM	• PIM Sparse-Dense Mode ²
	• PIM-DM v6 ²	• DVMRP v3
	• PIM-SM	• DVIVINE VS
	• FIIVI-SIVI	
QoS	• IEEE 802.1p CoS	Congestion Control
	 8 hardware Queues per Port 	-RED ²
	Queue Handling	CoS Based on:
	-Strict Priority	-Switch Port
	-Weighted Round Robin (WRR)	-VLAN ID
	-Deficit Round Robin (DRR)	-802.1p Priority Queues
	-Strict + WRR	-MAC Address
	-WDRR	-IPv4/v6 Address
	 Support Following Actions for Flows 	-DSCP
	-Remark 802.1p Priority Tag	-Protocol Type
	-Remark TOS/DSCP Tag	-IPv6 Traffic Class
	-Bandwidth Control	-IPv6 Flow Label
	-Committed Information Rate (CIR), min. granularity	-TCP/UDP Port
	64 Kbps	-User-defined Packet Content ²
	Three Color Marker	Bandwidth Control
		 Port-based (Ingress/Egress, Min. Granularity 64Kbps
	-trTCM	
	-srTCM	• Time-based QoS
A CI	ACI Pour les	
ACL	ACL Based on	• Ingress ACL
	-802.1p Priority	• Egress ACL ²
	-VLAN ID	
	-MAC Address	
	-Ether Type	
	-LLC	
	-IPv4/v6 Address	
	-DSCP	
	-Protocol Type	
	TCD/UDD Dowt November	
	-TCP/UDP Port Number	
	-ICP/ODP Port Number -IPv6 Traffic Class -IPv6 Flow Label	



Security	• SSH v2	DoS Attack Prevention
	 Port Security up to 16 MAC addresses per port Broadcast/Multicast/Unicast Storm Control IP-MAC-Port binding 	 ARP Spoofing Prevention² D-Link Safeguard Engine
MPLS	• LDP	• VPLS
	• VPWS (VLL)	• MPLS/BGP L3 VPN ²
AAA	• 802.1X	MAC-based Access Control (MAC) ²
	-Port-based Access Control	-Port-based Access Control
	-MAC-based Access Control	-Host-based Access Control
	 -Dynamic VLAN Assignment Web-based Access Control (WAC)² 	-Dynamic VLAN Assignment • TACACS+
	-Port-based Access Control	RADIUS Authentication for Switch Access
	-Host-based Access Control	• Guest VLAN
	-Dynamic VLAN Assignment	
Management	Web-based GUI	Multiple Configurations
a.ia.gee.ie	Command Line Interface (CLI)	Debug Command
	Telnet Server (Support IPv4/v6)	 Up to 15 levels user account privilege
	• Telnet Client	Trusted Host
	TFTP Client	Password Recovery
	• SNMP v1/v2c/v3	Microsoft® NLB Support²
	SNMP over IPv6 SNMP Traps	DHCP Client DHCP Relay
	System Log	-Option 82
	• RMON v1	DHCP Server
	-Support 1,2,3,9 Groups	• SNTP
	Flash File System	Ping (Support IPv4/v6)
	Multiple Images	Traceroute (Support IPv4/v6)
Green	Power saving by Link Status	Power saving by Time-based PoE
MIB/IETF Standard	DLINK-MSTP MIB	RFC2787 VRRP MIB
	DLINK-TC MIB	RFC2819 RMON MIB
	Draft-IETF-IDMR-DVMRP MIB-11,DVMR PSTD MIB	• RFC2863 IF MIB
	• IEEE Std 802.1X,IEEE8021-PAE MIB	RFC2893, RFC4213 IPv4/v6 Dual Stack Function MIB RFC2893 A PIMAME Could be seen as a second plant of the second plant
	IEEE Std 802.3ad,IEEE8023-LAG MIB RFC791 IP MIB	RFC2934 PIM MIB for IPv4 RFC3411 SNMP-FRAMEWORK MIB
	• RFC792 ICMPv4 MIB	RFC3412 SNMP-MPD MIB
	• RFC793 TCP MIB	RFC3413 SNMP-TARGET MIB
	RFC826 ARP MIB	 RFC3413 SNMP-NOTIFICATION MIB
	 RFC1212 Concise MIB Definitions 	 RFC3414 SNMP-USER-BASED-SM MIB
	• RFC1213 MIBII	 RFC3415 SNMP-VIEW-BASED-ACM MIB
	RFC1215 MIB Traps Conversion	• RFC3418 SNMP v2 MIB
	• RFC1338, RFC1519 CIDR MIB	RFC3513, RFC4291 IPv6 Addressing Architecture MIB RFC3504 CAMADA COMMUNITY AND
	RFC1724 RIPv2 MIB RFC1886 DNS IPv6 MIB	RFC3584 SNMP-COMMUNITY MIB RFC3635 EtherLike MIB
	RFC1981 MTU Discovery IPv6 MIB	RFC4133 ENTITY MIB
	RFC2460 IPv6 MIB	• RFC4188 BRIDGE MIB
	• RFC2461, RFC4861 ND IPv6 MIB	• RFC4273 BGP4 MIB
	RFC2462, RFC4862 IPv6 Auto-configuration	• RFC4292 IP-FORWARD MIB
	• RFC2463, RFC4443 ICMPv6 MIB	• RFC4293 IP MIB
		RFC4363 P-BRIDGE MIB
	RFC2464 IPv6 over Ethernet MIB	
	• RFC2474, RFC3168,	• RFC4363 Q-BRIDGE MIB
	RFC2474, RFC3168,RFC2571 SNMP Framework MIB	RFC4363 Q-BRIDGE MIBRFC4560 DISMAN-PING MIB
	RFC2474, RFC3168,RFC2571 SNMP Framework MIBRFC2572 SNMP Message Processing Dispatching MIB	RFC4363 Q-BRIDGE MIBRFC4560 DISMAN-PING MIBRFC4560 DISMAN-TRACEROUTE MIB
	 RFC2474, RFC3168, RFC2571 SNMP Framework MIB RFC2572 SNMP Message Processing Dispatching MIB RFC2573 SNMP Applications MIB 	 RFC4363 Q-BRIDGE MIB RFC4560 DISMAN-PING MIB RFC4560 DISMAN-TRACEROUTE MIB RFC4750 OSPF MIB
	RFC2474, RFC3168,RFC2571 SNMP Framework MIBRFC2572 SNMP Message Processing Dispatching MIB	RFC4363 Q-BRIDGE MIBRFC4560 DISMAN-PING MIBRFC4560 DISMAN-TRACEROUTE MIB
	 RFC2474, RFC3168, RFC2571 SNMP Framework MIB RFC2572 SNMP Message Processing Dispatching MIB RFC2573 SNMP Applications MIB RFC2574 User-based Security Model for SNMP v3 MIB 	 RFC4363 Q-BRIDGE MIB RFC4560 DISMAN-PING MIB RFC4560 DISMAN-TRACEROUTE MIB RFC4750 OSPF MIB RFC5060 PIM-STD MIB



Order Information		
Part Number	Description	
DGS-6604	4-slot chassis base with fan module without power supply	
DGS-6608	8-slot chassis base with fan module without power supply	
DGS-6604-SK	Starter Kit: DGS-6604 + DGS-6600-CM + DGS-6600-PWR	
DGS-6604-SK-48T	Starter Kit: DGS-6604 + DGS-6600-CM + DGS-6600-48T + DGS-6600-PWR	
DGS-6604-SK-48S	Starter Kit: DGS-6604 + DGS-6600-CM + DGS-6600-48S + DGS-6600-PWR	
DGS-6604-SK-48P	Starter Kit: DGS-6604 + DGS-6600-CM + DGS-6600-48P + DGS-6600-PWR	
DGS-6608-SK	Starter Kit: DGS-6608 + DGS-6600-CM-II + DGS-6600-PWR	
DGS-6608-SK-48T	Starter Kit: DGS-6608 + DGS-6600-CM-II + DGS-6600-48T + DGS-6600-PWR	
DGS-6608-SK-48S	Starter Kit: DGS-6608 + DGS-6600-CM-II + DGS-6600-48S + DGS-6600-PWR	
DGS-6608-SK-48P	Starter Kit: DGS-6608 + DGS-6600-CM-II + DGS-6600-48P + DGS-6600-PWR	
Order Information (CPU Engines)		
DGS-6600-CM	Control Module for DGS-6604	
DGS-6600-CM-II	Control Module for DGS-6600 Series	
Order Information (LAN Interface I	Modules)	
DGS-6600-48T	48-port 10/100/1000M module	
DGS-6600-48S	48-port SFP module	
DGS-6600-48TS	24-port 10/100/1000M and 24-port SFP module	
DGS-6600-48P	48-port 10/100/1000M module with PoE function	
DGS-6600-8XG	8-port 10G XFP module	
DGS-6600-24SC2XS	12-port SFP and 12 combo ports (10/100/1000BASE-T/SFP Module) and 2-ports 10G SFP+ Module	
DGS-6600-48S-C ³	48-port SFP module with MPLS function	
DGS-6600-24SC2XS-C ³	12-port SFP and 12 combo ports (10/100/1000BASE-T/SFP Module) and 2-ports 10G SFP+ Module with MPLS function	
DGS-6600-16XS-D	16 10GE SFP+ Module with MPLS function	
Order Information (Power Supplies)		
DGS-6600-PWR	850 W AC Power Module for DGS-6600 Series	
DGS-6600-PWRDC ³	300 W DC Power Module for DGS-6600 Series	
Order Information (Fan Tray)		
DGS-6600-FAN	FAN Module for DGS-6604	
DGS-6600-FAN-II	FAN Module for DGS-6608	



Order Information (Option	onal SFP Transceivers)
DEM-211	SFP transceiver, 100BASE-FX standard, up to 2 km multi-mode fiber cable distance, 3.3 V operating voltage
DEM-210	SFP transceiver, 100BASE-FX standard, up to 15 km single-mode fiber Cable distance, 3.3V operating voltage
DEM-310GT	SFP transceiver, 1000BASE-LX standard, single-mode fiber, max. distance 10 km, 3.3 V operating voltage
DEM-311GT	SFP transceiver, 1000BASE-SX standard, multi-mode fiber, max. distance 550m, 3.3 V operating voltage
DEM-312GT ²	SFP transceiver 1000BASE-SX standard, multi-mode fiber, max. distance 2km, 3.3 V operating voltage
DEM-314GT	SFP transceiver, 1000BASE-LX standard, single-mode fiber, max. distance 50km, 3.3 V operating voltage
DEM-315GT	SFP transceiver, 1000BASE-LX standard, single-mode fiber, max. distance 80km, 3.3 V operating voltage
DGS-712	SFP transceiver, 1000BASE-T
Order Information (Option	onal WDM SFP Transceivers)
DEM-220T	WDM SFP transceiver, 100BASE-FX standard, single-mode fiber, max. distance 20 km, 3.3 V operating voltage, Tx wavelength 1550 nm, Rx wavelength 1310 nm
DEM-220R	WDM SFP transceiver, 100BASE-FX standard, single-mode fiber, max. distance 20 km, 3.3 V operating voltage, Tx wavelength 1310 nm, Rx wavelength 1550 nm
DEM-330T	WDM SFP transceiver, 1000BASE-LX standard, single-mode fiber, max. distance 10 km, 3.3 V operating voltage, Tx wavelength 1550 nm, Rx wavelength 1310 nm
DEM-330R	WDM SFP transceiver, 1000BASE-LX standard, single-mode fiber, max. distance 10 km, 3.3 V operating voltage, Tx wavelength 1310 nm, Rx wavelength 1550 nm
DEM-331T	WDM SFP transceiver, 1000BASE-LX standard, single-mode fiber, max. distance 40 km, 3.3 V operating voltage, Tx wavelength 1550 nm, Rx wavelength 1310 nm
DEM-331R	WDM SFP transceiver 1000BASE-LX standard, single-mode fiber, max. distance 40 km, 3.3 V operating voltage, Tx wavelength 1310 nm, Rx wavelength 1550 nm
Order Information (Option	onal SFP+ Transceivers)
DEM-431XT	SFP+ transceiver, 10GBASE-SR standard, multi-mode fiber, max. distance 300 m, 3.3 V operating voltage
DEM-431XT-DD	SFP+ transceiver, 10GBASE-SR standard, multi-mode fiber, max. distance 300 m, 3.3 V operating voltage, DDM support
DEM-432XT	SFP+ transceiver, 10GBASE-LR standard, single-mode fiber, max. distance 10 km, 3.3 V operating voltage
DEM-432XT-DD	SFP+ transceiver, 10GBASE-LR standard, single-mode fiber, max. distance 10 km, 3.3 V operating voltage, DDM support
DEM-433XT	SFP+ transceiver, 10GBASE-ER standard, single-mode fiber, max. distance 40 km, 3.3 V operating voltage
DEM-433XT-DD	SFP+ transceiver, 10GBASE-ER standard, single-mode fiber, max. distance 40 km, 3.3 V operating voltage, DDM support
DEM-434XT	SFP+ transceiver, 10GBASE-ZR standard, single-mode fiber, max. distance 80 km, 3.3 V operating voltage
DEM-435XT	SFP+ transceiver, 10GBASE-LRM standard, single-mode fiber, max. distance 220 m, OM1 & OM2 MMF, 300 m: OM3 MMF. 3.3 V operating voltage
DEM-435XT-DD	SFP+ transceiver, 10GBase-LRM standard, single-mode fiber, max. distance 200 m, OM1 & OM2 MMF, 300 m: OM3 MMF. 3.3 V operating voltage, DDM support
DEM-436XT-BXU	BiDi SFP+ transceiver, 10GBASE-LR standard, single-mode fiber, max. distance 20 km, TX: 1270 nm, RX: 1330 nm
DEM-436XT-BXD	BiDi SFP+ transceiver, 10GBASE-LR standard, single-mode fiber, max. distance 20 km, TX: 1270 nm, RX: 1330 nm, DDM support

Order Information (Optional XFP Transceivers)		
DEM-421XT	XFP transceiver, 10GBASE-SR standard, multi-mode fiber, max. distance 300 m, 3.3 V operating voltage	
DEM-422XT	XFP transceiver, 10GBASE-LR standard, single-mode fiber, max. distance 10 km, 3.3 V operating voltage	
DEM-423XT	XFP transceiver, 10GBASE-ER standard, single-mode fiber, max. distance 40 km, 3.3 V operating voltage	
Order Information (Optional Management Software)		
DV-600S	D-View 6.0 Network Management Software Standard Edition	
DV-600P	D-View 6.0 Network Management Software Professional Edition	

Updated 2013/07/02



Available in thefuture
 Function available in a future firmware upgrade.
 Product available in the future