

## **Product Highlights**

#### **Flexible Deployment**

Multiple software images tailor the feature set to the network's requirements. Power over Ethernet (PoE) increases the range of possible deployment locations

#### **Comprehensive Security Solution**

Support for Access Control Lists (ACL), multiple user authentication methods, and D-Link ZoneDefense technology helps secure the network environment

#### **Super Reliability**

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



## DGS-3620 Series xStack L3 Managed Stackable Gigabit Switches

### **Features**

#### Flexibility

- 20/48 10/100/1000BASE-T ports or 20 SFP slots
- 4 Combo 10/100/1000BASE-T/SFP ports<sup>1</sup>
- 4 10-Gigabit SFP+ uplink ports
- 802.3af and 802.3at PoE support<sup>2</sup>

#### Security

- L2/L3/L4 multi-layer Access Control
- External RADIUS/TACACS+ authentication
- SSH/SSL support
- 802.1X guest VLAN
- D-Link Safeguard Engine
- Unicast Reverse Path Forwarding (uRPF)<sup>3</sup>

#### Reliability

- Redundant Power Supply (RPS) support
- 802.1D/802.1w/802.1s Spanning Tree
- Loopback Detection (LBD)
- Ethernet Ring Protection Switching (ERPS)

### High Bandwidth Physical/Virtual Stacking

- Physical stack of up to 12 units, 576 Gigabit ports
- Virtual stack of up to 32 units using single IP management

### OAM

- 802.3ah Ethernet link OAM
- 802.1ag, ITU-T Y.1731 service OAM

The DGS-3620 Series xStack L3 Managed Stackable Gigabit Switches deliver great performance, flexibility, security, multi-layer QoS, and accessibility, along with redundant power solutions for SMBs and enterprises. With high Gigabit port densities, Gigabit SFP, and 10-Gigabit SFP+ support, and advanced software solutions, these switches can act as either departmental access layer devices or core switches to form a multilevel network structured with backbone and centralized high-speed servers. Service providers can take advantage of the high SFP density switches to structure the cores of Fiber to the Building (FTTB) networks that are extended to the subscribers' sites.

### Standard and Enhanced Images

The DGS-3620 Series is embedded with two different software images, the Standard Image (SI), and the Enhanced Image (EI). The Standard Image provides fundamental features for campuses and enterprises such as switching, routing, multicasting, advanced Quality of Service (QoS), and robust security features. The Enhanced Image supports OAM, BGP, IPv6 dynamic routing, and tunneling which are all suitable for the service provider network.

### **Unparalleled Flexibility**

Easily deployed and simple to manage, the DGS-3620 Series can be stacked with any switch that supports D-Link's Single IP Management to form a multi-level network structured with backbone and centralized high-speed servers. The virtual stack can include units located anywhere on the same network domain, and uses optional 10-Gigabit uplinks to move intrastack traffic at 20 Gbps full duplex speeds. The stack can also eliminate single point of failures, cable distance barriers, limitations of physical stacking, and the need for stack cabling.



## **Redundant Ring Stacking**

Alternatively, depending on whether linear or fault-tolerant ring stacking is implemented, users can use one or two 10-Gigabit SFP+ ports to create a physical stack. 12 units or 576 Gigabit ports can be configured for a stack using direct attach cables providing high bandwidth on the already cost-efficient DGS-3620 Series.

## Security, Performance & Availability

The DGS-3620 Series provides a complete set of security features including L2/L3/L4 multi-layer Access Control Lists and 802.1X user authentication via TACACS+ and RADIUS servers. D-Link ZoneDefense technology is built-in, allowing businesses to integrate the switch stack with D-Link NetDefend firewalls to implement a complete and proactive security infrastructure.

The DGS-3620 Series offers extensive VLAN support including GVRP and 802.1Q VLAN to enhance security and performance. A robust set of L2/L3/ L4 QoS/CoS solutions help ensure that critical network services such as VoIP, ERP, Intranet, and video conferencing are served with proper priority. The DGS-3620 Series provides D-Link's Safeguard Engine to increase the switch's reliability, serviceability, and availability to prevent malicious flooding traffic caused by worms or virus infections. Bandwidth Control can be flexibly set for each port using pre-defined thresholds to assure a committed level of service for end users. For advanced applications, flow-based bandwidth control allows easy fine-tuning of service types based on specific IP addresses or protocols.

### IPv6 Technology

The DGS-3620 Series also features comprehensive IPv6 support, including IPv6 Tunnel, ICMPv6, DHCPv6, RIPng, OSPFv3, IPv4/IPv6 dual stack and more. With 10-Gigabit connectivity and IPv6 support, the DGS-3620 Series enables you to future-proof your network for cost efficiency and longevity while meeting the requirements that future IPv6-capable network devices require.

## **D-Link 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-3620 Series implements D-Link Green technology, which includes a power-saving mode, smart fan feature, reduced heat dissipation, and cable length detection. 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 at a certain temperature<sup>4</sup>, providing continuous, reliable, and eco-friendly operation of the switch.



If the worst should happen to your network you need the very best support and fast. Downtime costs your business money. D-Link Assist maximises your uptime by solving technical problems quickly and effectively. Our highly trained technicians are on standby around the clock, ensuring that award-winning support is only a phone call away.

With a choice of three affordable service offerings covering all D-Link business products, you can select the package that suits you best:

### D-Link Assist Gold - for comprehensive 24-hour support

D-Link Assist Gold is perfect for mission-critical environments where maximum uptime is a high priority. It guarantees four hour around-the-clock response. Cover applies 24/7 for every day of the year including holidays.

### D-Link Assist Silver - for prompt same-day assistance

D-Link Assist Silver is designed for 'high availability' businesses that require rapid response within regular working hours. It provides a four hour response service Monday to Friday from 8am to 5pm, excluding holidays.

# D-Link Assist Bronze - for guaranteed response on the next business day

D-Link Assist Bronze is a highly cost-effective support solution for less critical environments. Response is guaranteed within eight business hours Monday to Friday from 8am to 5pm, excluding holidays.

D-Link Assist can be purchased together with any D-Link business product. So whether you're buying switching, wireless, storage, security or IP Surveillance equipment from D-Link, your peace of mind is guaranteed. D-Link Assist also offers installation and configuration services to get your new hardware working quickly and correctly.



Technical Specifications	DGS-3620-28TC	DGS-3620-285C
General		
Interfaces	<ul> <li>20 10/100/1000BASE-T ports</li> <li>4 Combo 10/100/1000BASE-T/SFP ports</li> <li>4 SFP+ ports</li> </ul>	<ul> <li>20 SFP ports</li> <li>4 Combo 10/100/1000BASE-T/SFP ports</li> <li>4 SFP+ ports</li> </ul>
Optional Redundant Power Supply	• DI	PS-500
Console Port	•	RJ-45
Management Port	• 10/1	00BASE-T
Alarm Port		• 1
SD Card Slot		• 1
Performance		
Switch Fabric	• 128 Gbps	
Packet Forwarding Rate	• 95.2	24 Mbps
Packet Buffer	• 2 MB	
MAC Address Table	• 32K entries	
IPv4 Routing Table	• 12K entries	
IPv6 Routing Table	• 6K entries	
IPv4 Forwarding Table	8K entries	
IPv6 Forwarding Table	4K entries	
Jumbo Frame Size	• 13000 bytes	
РоЕ		
PoE Standard	-	
PoE Power Budget	-	



Physical			
MTBF	• 292976 hours • 298263 hours		
Acoustics	• 48.5 dB maximum • 49.9 dB maximum		
Heat Dissipation	• 155.8 BTU/hr	• 144.2 BTU/hr	
Power Input	• 100 to 240 V AC, 50/60 Hz	• 100 to 240 V AC, 50/60 Hz	
Max Power Consumption	• 45.1 W • 43.4 W		
Dimensions	• 441 x 310 x 44 mm (17.36 x 12.20 x 1.73 inches)	• 441 x 310 x 44 mm (17.36 x 12.20 x 1.73 inches)	
Weight	• 4.15 kg (9.15 lbs)	• 4.10 kg (9.04 lbs)	
Ventilation	<ul> <li>Smart fan (&gt; 40 °C (104 °F): high speed; &lt; 35 °C (95 °F): low speed)<sup>4</sup></li> </ul>		
Operating Temperature	• 0 to 50 °C (32 to 122 °F)		
Storage Temperature	<ul> <li>-40 to 70 °C (-40 to 158 °F)</li> </ul>		
Operating Humidity	• 0% to 90% RH		
Storage Humidity	• 5% to 90% RH		
Emission (EMI)	FCC Class A, CE Class A, VCCI Class A, IC, C-Tick		
Safety	• CB, cUL, LVD		
Certifications	IPv6 Ready Logo Phase 2		



Technical Specifications	DGS-3620-28PC	DGS-3620-52T	DGS-3620-52P
General			
Interfaces	<ul> <li>20 10/100/1000BASE-T PoE ports</li> <li>4 Combo 10/100/1000BASE-T/SFP ports</li> <li>4 SFP+ ports</li> </ul>	• 48 10/100/1000BASE-T ports • 4 SFP+ ports	• 48 10/100/1000BASE-T PoE ports • 4 SFP+ ports
Optional Redundant Power Supply	• DPS-700	• DPS-500	• DPS-700
Console Port		• RJ-45	
Management Port		• 10/100BASE-T	
Alarm Port		• 1	
SD Card Slot	• 1		
Performance			
Switch Fabric	• 128 Gbps	• 176 Gbps	• 176 Gbps
Packet Forwarding Rate	• 95.24 Mbps	• 130.95 Mbps	• 130.95 Mbps
Packet Buffer	• 2 MB		
MAC Address Table		• 32K entries	
IPv4 Routing Table		• 12K entries	
IPv6 Routing Table	• 6K entries		
IPv4 Forwarding Table	• 8K entries		
IPv6 Forwarding Table	• 4K entries		
Jumbo Frame Size	• 13000 bytes		
РоЕ			
PoE Standard	• 802.3af and 802.3at	-	• 802.3af and 802.3at
PoE Power Budget	• 370 W (760 W with DPS-700 RPS)	-	• 370 W (760 W with DPS-700 RPS)



Physical			
MTBF	• 236811 hours	• 247929 hours	• 225645 hours
Acoustics	• 52.1 dB maximum	• 54.2 dB maximum	• 56.2 dB maximum
Heat Dissipation	• 1712.5 BTU/hr	• 259.1 BTU/hr	• 1763.3 BTU/hr
Power Input	• 100 to 240 V AC, 50/60 Hz	• 100 to 240 V AC, 50/60 H	• 100 to 240 V AC, 50/60 Hz
Max Power Consumption	• 502.2 W	• 76.0 W	• 517.1 W
Dimensions	• 441 x 310 x 44 mm (17.36 x 12.20 x 1.73 inches)	• 441 x 310 x 44 mm (17.36 x 12.20 x 1.73 inches)	• 441 x 310 x 44 mm (17.36 x 12.20 x 1.73 inches)
Weight	• 5.76 kg (12.70 lbs)	• 5.13 kg (11.31 lbs)	• 6.30 kg (13.89 lbs)
Ventilation	• Smart fan (> 40 °C (104 °F): high speed; < 35 °C (95 °F): low speed)⁴		
Operating Temperature	• 0 to 50 °C (32 to 122 °F)		
Storage Temperature	<ul> <li>-40 to 70 °C (-40 to 158 °F)</li> </ul>		
Operating Humidity	• 0% to 90% RH		
Storage Humidity	• 5% to 90% RH		
Emission (EMI)	FCC Class A, CE Class A, VCCI Class A, IC, C-Tick		
Safety		• CB, cUL, LVD	
Certifications		IPv6 Ready Logo Phase 2	



Stackability	Virtual stacking support	Physical stacking	
Stackability	<ul> <li>D-Link Single IP Management</li> <li>Up to 32 devices per virtual stack</li> <li>Up to 20G stacking bandwidth</li> </ul>	<ul> <li>Physical stacking</li> <li>Supports duplex chain/ring topology</li> <li>Up to 40G stacking bandwidth</li> <li>Up to 12 units per stack</li> </ul>	
L2 Features	<ul> <li>MAC address table: 32K</li> <li>Flow control <ul> <li>802.3x Flow control</li> <li>HOL blocking prevention</li> </ul> </li> <li>Jumbo frames up to 13000 bytes</li> <li>IGMP snooping <ul> <li>IGMP v1/v2/v3 snooping</li> <li>Supports 1K groups</li> <li>Port/host-based</li> <li>IGMP snooping fast leave</li> </ul> </li> </ul>	<ul> <li>MLD snooping</li> <li>MLD v1 snooping</li> <li>Supports 1K groups</li> <li>Host-based MLD snooping fast leave</li> <li>Spanning tree <ul> <li>802.1D-2004 STP</li> <li>802.1W RSTP</li> <li>802.1Q-2005 MSTP</li> <li>BPDU filtering</li> <li>Root restriction</li> </ul> </li> <li>Loopback detection</li> </ul>	<ul> <li>802.3ad link aggregation</li> <li>Max. 32 groups per device <ul> <li>8 Gigabit ports or 2 10-Gigabit ports per group</li> </ul> </li> <li>Port mirroring <ul> <li>Supports 4 mirroring groups</li> <li>Supports one-to-one, manyto-one, flow-based, and RSPAN mirroring</li> <li>L2 protocol tunneling</li> <li>ERPS (Ethernet Ring Protection Switching)</li> </ul> </li> </ul>
VLAN	<ul> <li>VLAN group</li> <li>Max. 4K static VLAN groups</li> <li>Max. 255 dynamic VLAN groups</li> <li>802.1Q tagged VLAN</li> </ul>	<ul> <li>802.1v protocol VLAN</li> <li>GVRP</li> <li>Double VLAN (Q-in-Q)</li> <li>Port-based Q-in-Q</li> <li>Selective Q-in-Q</li> </ul>	<ul> <li>MAC-based VLAN</li> <li>VLAN trunking</li> <li>Super VLAN</li> </ul>
L3 Features	<ul><li> 256 IP interfaces</li><li> Loopback interface</li></ul>	• UDP helper <sup>s</sup> • VRRP	<ul><li>Proxy ARP</li><li>Gratuitous ARP</li></ul>
L3 Routing	<ul> <li>12K routing entries shared by IPv4/v6</li> <li>Max. 12K IPv4 routes</li> <li>Max. 6K IPv6 routes</li> <li>8K L3 forwarding entries shared by IPv4/v6</li> <li>Max. 8K IPv4 entries</li> <li>Max. 4K IPv6 entries</li> </ul>	<ul> <li>256 static routing entries for IPv4, 128 entries for IPv6</li> <li>Supports ECMP/WCMP</li> <li>Policy-based routing</li> <li>RIP v1/v2</li> </ul>	<ul> <li>OSPF</li> <li>OSPF v2</li> <li>OSPF passive interface</li> <li>Stub/NSSA area</li> <li>OSPF equal cost route</li> </ul>
Multicasting	<ul><li> 2K multicast groups</li><li> PIM-DM</li></ul>	<ul><li>PIM-SM</li><li>PIM sparse-dense mode</li></ul>	• IGMP v1/v2/v3
QoS (Quality of Service)	<ul> <li>802.1 p Class of Service (CoS)</li> <li>8 queues per port</li> <li>Queue handling <ul> <li>Strict</li> <li>Weighted Round Robin (WRR)</li> <li>Strict + WRR</li> <li>WRED<sup>5</sup></li> </ul> </li> </ul>	<ul> <li>CoS based on</li> <li>Switch port</li> <li>VLAN ID</li> <li>802.1 p priority queues</li> <li>MAC address</li> <li>IPv4/v6 address</li> <li>DSCP</li> <li>Protocol type</li> <li>IPv6 traffic class</li> <li>IPv6 flow label</li> <li>TCP/UDP port</li> <li>User-defined packet content</li> </ul>	<ul> <li>Supports following actions for flows         <ul> <li>Remark 802.1p priority tag</li> <li>Remark TOS/DSCP tag</li> <li>Bandwidth control</li> <li>Flow statistics</li> <li>Committed Information Rate (CIR) min. granularity 1 Kbps.</li> </ul> </li> <li>Bandwidth control         <ul> <li>Port-based (ingress/egress, min. granularity 8 Kbps)<sup>3</sup></li> <li>Flow-based (ingress, min. granularity 8 Kbps)<sup>3</sup></li> </ul> </li> <li>Flow-based QoS</li> </ul>
ACL (Access Control List)	<ul> <li>Ingress ACL: support up to 6 profiles and 256 rules per profile</li> <li>Egress ACL: support up to 4 profiles and 128 rules per profile</li> </ul>	<ul> <li>ACL based on</li> <li>802.1p priority</li> <li>VLAN ID</li> <li>MAC address</li> <li>Ether type</li> <li>IPv4/v6 address</li> <li>DSCP</li> <li>Protocol type</li> <li>TCP/UDP port number</li> <li>IPv6 traffic class</li> <li>IPv6 flow label</li> <li>User-defined packet content</li> </ul>	<ul> <li>ACL statistics</li> <li>Time-based ACL</li> </ul>



AAA     Disk Statuck prevention*     Do S statuck prevention*       AAA     - 8021X - Fort-based access control - 10/statuck VAA saignment - 10/statuck Prevent - 10/statuck VAA saignment - 10/statuck VAA saignment - 10/statuck VAA saignment - 10/statuck VAA saignment - 10/statuck Prevent - 10/statuck - 10/statuck Prevent - 10/statuck - 10/statuck Prevent - 10/statuck - 10/statuck Prevent - 10/statuck -	Green	<ul><li> Power saving by link status</li><li> Power saving by cable length</li></ul>	<ul> <li>Power saving by LED shut-off<sup>6</sup></li> <li>Power saving by port shut-off<sup>6</sup></li> </ul>	<ul> <li>Power saving by system hibernation</li> <li>802.3az Energy-Efficient Ethernet<sup>6</sup></li> </ul>
addresses for port/system/UAN     - DHCP snooping     - APR porting prevention       AAA     - Bradicast functions synumest toom     - DHCP snooping     - APR porting prevention       AAA     - BR21 X     - MACL based Access Control     - DHCP snooping     - APR porting prevention       AAA     - BR21 X     - MACL based Access Control     - MACL based Access Control     - Distance Aprevention*       - Hot based access control     - More based access control     - More based access control     - Supports D21 XN AP       - Hot based access control     - More based access control     - More based access control     - Supports D21 XN AP       - Dynamic VLAN assignment     - Opnamic VLAN assignment     - Web-based Access control     - Supports D21 XN AP       - Tehest sever     - Tehest sever     - Status Prevention*     - Supports D21 XN AP       - Tehest sever     - Tehest sever     - Status Prevention*     - Supports D21 XN AP       - Tehest sever     - Tehest sever     - Tehest sever     - Status Prevention*       - Tehest sever     - Tehest sever     - Tehest sever     - Tehest sever       - Status Prevention*     - DHCP felsy option 82     - DHCP felsy option 82     - DHCP felsy option 82       - Status Prevention*     - DHCP felsy option 82     - DHCP felsy option 82     - DHCP felsy option 82       - Status Prevention*     - DHCP felsy option 82 <td>Security</td> <td>• SSL v1/v2/v3</td> <td><ul> <li>ARP packet inspection</li> </ul></td> <td>DHCP server screening</td>	Security	• SSL v1/v2/v3	<ul> <li>ARP packet inspection</li> </ul>	DHCP server screening
<ul> <li>Brandaust/multicat/unicat storm control</li> <li>Traffic segmentation</li> <li>Buddy entries per device</li> <li>Do Statek prevention*</li> <li>Supports SD 21 N NaP</li> <li>Supports SD 21 N NaP</li></ul>				
adapt     - Supports up to 500 address     - Unicat reverse path forward       AAA     - 802.1X     - MAC-based Access Control     - DoS attacks prevention*       - Nort-based access control     - Fort-based access control     - Mac-based Access Control     - Supports 802.1X NAP       - Nort-based access control     - Port-based access control     - Hort-based access control     - Supports 802.1X NAP       - Nort-based access control     - Hort-based access control     - Hort-based access control     - Supports 802.1X NAP       - Nort-based access control     - Hort-based access control     - Hort-based access control     - Supports 802.1X NAP       - Hort-based access control     - Hort-based access control     - Hort-based access control     - Supports 802.1X NAP       - Hort-based access control     - Hort-based access control     - Hort-based access control     - Hort-based access control       - Hort-based access control     - Hort-based access control     - Hort-based access control     - Hort-based access control       - Hort-based access control     - Hort-based access control     - Hort-based access control     - Hort-based access control       - Hort-based access control     - Hort-based access control     - Hort-based access control     - Hort-based access control       - Tott-based access control     - DHCPA for Port-based access control     - DHCPA for Port-based access control     - Hort-based access control <t< td=""><td></td><td></td><td>1 3</td><td></td></t<>			1 3	
AAA     • Taffic segmentation     binding entire per device     • DoS attack prevention*       AAA     • 802.1X     • MAC-based Access Control • Inst-based access control • Inst-based access control • Port-based Access control • Port-Port Port-PortPort Porter • Port-Port Port Port Port Port Port Port Port		<ul> <li>Broadcast/multicast/unicast storm</li> </ul>		
AAA       + 802.1X       • Advance       • MAC-based Access Control (MAC)       • Macrosoft NAP         • Instribused access control       • Optrate access control       • Optrate access control       • Supports 802.1X NAP         • Web-based Access Control (VAC)       • Optrate access control       • Optrate access control       • Supports 802.1X NAP         • Web-based Access Control (VAC)       • Optrate access control       • Optrate access control       • Optrate access control         • Machagement       • Web-based Access Control (VAC)       • Optrate access control       • Hot-based access control       • Advancess Control (VAC)         • Margement       • Web-based Access Control (VAC)       • Optrate access Control (VAC)       • Hot-based access control       • Advances Control (VAC)         • Margement       • Web-based Access Control (VAC)       • Bot-based access control       • Advances         • Margement       • Web-based Access Control (VAC)       • Boter DPL/DP-MED       • SUP         • TFPT deint       • DHCP relay option 82       • DHCP relay option 82       • DHCP relay option 82         • SMM trup       • SUP option 12.3.9 groups       • Multiple configurations       • Support 92       • Multiple configurations       • Support 92         • SMM trup       • Supports 12.3.9 groups       • Multiple configurations       • Support 92       • Multiple configuration<		control	<ul> <li>Supports up to 500 address</li> </ul>	<ul> <li>Unicast reverse path forwarding<sup>5</sup></li> </ul>
<ul> <li>• Port-based access control</li> <li>• Supports 802.1 NAPP</li> <li>• Supports</li></ul>		Traffic segmentation	binding entries per device	<ul> <li>DoS attack prevention<sup>4</sup></li> </ul>
+ Host-based access control     - Supports DHCP NAP       - Dynamic VLAN assignment     - Dynamic VLAN assignment     - Supports DHCP NAP       - Port-based Access Control     - Apan Web-based Access Control     - RADUSA and TACACS- auther       - Port-based Access control     - Host-based Access Control     - Host-based Access Control     - RADUSA and TACACS- auther       Management     - Web-based CUI     - Grow     - Debug command     - Supports DHCP NAP       Management     - Web-based CUI     - Grow     - Debug command     - Supports DHCP NAP       - Filter Client     - Host-based Access Control     - KMV6     - SUPP       - Filter Client     - DHCP Palay     - DHCP NaP     - DHCP NaP       - SMMP 1/1/2/2/3     - DHCP Palay configuration     - HCPNS feller     - MKNP       - Supports PhobaConfig group     - Multiple images     - Microsoft* NB support     - Microsoft* NB support       - Supports PhobaConfig group     - REC123 MBB ill     - REC232 VRRP MB     - Microsoft* NB support       - Supports PhobaConfig group     - REC232 VRRP MB     - REC233 VRRP     - REC233 VRRP       - REC1213 MBB ill     - REC232 VRRP MB     - REC233 VRRP     - REC233 VRRP       - Supports PhobaConfig group     - REC232 VRRP MB     - REC233 VRRP     - REC233 VRRP       - REC235 VRRP VBB     - REC235 VRRP MB     - REC235 VRRP     -	AAA	• 802.1X		<ul> <li>Microsoft<sup>®</sup> NAP</li> </ul>
• Dynamic VLAM assignment       • Dynamic VLAM assignment       • Guež VLAM         • Web-based access control       • Port-based access control       • Musch access control       • Musch access control         • Host-based access control       • Host-based access control       • Host-based access control       • Host-based access control         • Host-based access control       • Host-based access control       • Host-based access control       • Host-based access control         • Command Line Interface (CL)       • LDPLDP-MED       • NTP         • Command Line Interface (CL)       • DPLDP-MED       • NTP         • Flore       • HHST P client       • HHCP of Gient       • HHCP of Gient         • NMP VI-V2cV3       • HHCP relay potion 60; 61       • HHCP of Gient       • HHCP of Gient         • Supports 12.3.9 groups       • HHCP relay potion 60; 61       • HHCP of Gient       • HTU setting         • MMO VI-V2cV/3       • HAIn file system       • MITU setting       • HECP of PP         • NMNP VI-V2cV/3       • HAIn file system       • HTU setting       • HTU setting         • MMON V2       • OZJahn Chink extension: Chink       • HHCP of PP       • HTU setting         • MMNP VI-V2cV/3       • HAIn file system       • HCC2053; ADS So So File VL       • HECE 158P Precision Time Potic         • MMIB = FC1970; SNMP2 MIB <td< td=""><td></td><td></td><td></td><td></td></td<>				
• Web-based Access Control • Port-based access control • Dynamic VLAM assignment       • Apan Web-based Access Control • Host-based access control • Dynamic VLAM assignment       • Auvel user account         Management       • Web-based GUI • Command Line Interface (CL) • Finet client       • offow • LDP/LDP/MED       • Debug command • CMP46         Management       • Web-based GUI • Command Line Interface (CL) • Finet client       • OFDP/LDP/IdP Client       • CMP46         • NUMP VIA2V2V3 • SMMP VIA2V2V3 • SMMP VIA2V2V3 • SMMP VIA2V2V3 • SMMP VIA2V2V3 • Supports ProbeConfig group       • DHCP relay option 60: 61 • DHCP46 prelay • Trusted host       • DHCP46 prelay • DHCP46 prelay • Trusted host         OAM       • 60223 MEInterme Link OAM • Supports ProbeConfig group       • Multiple images • MUcosoff* NLB support • System Rog • RMON V2 • Supports ProbeConfig group       • DHCP4 server • DHCP46 PD* • DHCP46		<ul> <li>Host-based access control</li> </ul>	<ul> <li>Host-based access control</li> </ul>	<ul> <li>Supports DHCP NAP</li> </ul>
• Port-based access control     (JWAC)     for switch access       • Host-based access control     • Host-based access control     • 4-Level user account       • Management     • Web-based GUI     • JFlow     • Debug command       • Command Line Interface (CLI)     • LDP/LDP-MED     • NTP       • Ielent client     • HOF Palor Configuration     • HCP/OF delent       • TFTP Client     • DHCP relay option 60: 61     • DHCP/OF delent       • SMMP V1/32/V3     • DHCP relay option 60: 61     • DHCP/OF delent       • SMMP V1/32/V3     • DHCP relay option 60: 61     • DHCP/OF delent       • SMMP V1/32/V3     • DHCP relay option 60: 61     • DHCP/OF delent       • SMMP V1/32/V3     • DHCP relay option 60: 61     • DHCP/OF Server       • SMMP V1/32/V3     • DHCP relay option 60: 61     • DHCP/OF Server       • SWMP V1/32/Syroups     • MUltiple configurations     • Secure FIP       • MWO V2     • DHCP server     • DHCP/OF DP1       • MWN V2     • DHCP/MCP SNS client     • DHCP/OF DP1       • DMDN V2     • DHCP/MCP MB     • EEE1588 Precision Time Prot       • MB/IETF Standards     • RFC1233 MBH1     • RFC2371/423 HM MB for IPV4       • RFC1233 MB/IB     • RFC2372 MPV2 MIB     • RFC2382 HVM MB     • RFC2383 KMBP       • RFC1233 MARINB     • RFC2373 MARINB ACONTINB     • RFC2383 KMBP		<ul> <li>Dynamic VLAN assignment</li> </ul>		
+ Host-based access control       + Host-based dQI       + Host-based QUI       • Host-based QUI         Management       • Web-based QUI       • Elow       • Debug command         • Web-based QUI       • Command Line Interface (CL)       • Elow       • Debug command         • Tothet client       • DHCP actor-Configuration       • DHCP of client       • DHCP of client         • SMMP trap       • DHCP velay option 82       • DHCP of client       • DHCP of client         • SMMP trap       • DHCP velay option 82       • DHCP of client       • DHCP of client         • SMMP trap       • DHCP velay option 82       • DHCP of client       • DHCP of client       • DHCP of client         • SMMP trap       • DHCP velay option 82       • DHCP of velay       • DHCP of velay       • DHCP of velay         • Supports 1,23.9 groups       • Multiple configurations       • Secure TPI       • Microsoft * NuB support       • Secure TPI         • Cable diagnostics       • Unidirectional Link Detection (DULI)       • EEET588 Precision Time Prot       • PHC1433 HB/B H       • PFC2332 VMP MIB       • PFC2332 VRP       • PHC2332 VRP         • RFC1923 MB/H       • RFC2053 MMP MB       • RFC2234 PIM MB for FV4       • PFC2333 VRP       • RFC2363, 30, 30, 6106 FU4       • PFC2332 VP4 multicast routing MB       • RFC2363, 30, 30, 30, 30, 30, 30, 50, 6106 FU4       • RFC2352,		<ul> <li>Web-based Access Control (WAC)</li> </ul>	<ul> <li>Japan Web-based Access Control</li> </ul>	<ul> <li>RADIUS and TACACS+ authenticatic</li> </ul>
• Dynamic VLAN assignment     • Debug command       Management     • Web-based GUI     • LDPALDP-MED     • SMTP       • Command Line Interface (CLI)     • LDPALDP-MED     • SMTP       • Teflet server     • DHCP fealuy option 60, 61     • DHCPv6 fealur       • TTP client     • DHCP relay option 60, 61     • DHCPv6 Server       • SMWP tr/V2C/V3     • DHCP relay option 60, 61     • DHCPv6 Server       • SMWP tryp     • DHCP setaly option 62, 2     • DHCPv6 Server       • SMWP tryp     • DHCP setaly option 62, 2     • DHCPv6 Server       • SMWP tryp     • DHCP setaly option 62, 2     • DHCPv6 Server       • System log     • Fash file system     • MTU setting       • System log     • Bash file system     • MTU setting       • System log     • BAsh file system     • MTU setting       • System log     • BRC2068, 2618 HTTP     • EFC2058 (DPV multicast routing MB       • RFC1313 MIB-II     • RFC2328 (PM multicast routing MB     • RFC2388 (PM multicast routing MB       • RFC1371, 2819 RMON MB     • RFC2381 (PM multicast routing MB     • RFC2383 (PM multicast routing MB       • RFC1371, 2819 RMON MB     • RFC2381 (PM multicast routing MB     • RFC2383 (PM multicast routing MB       • RFC1371, 2819 RMON MB     • RFC2381 (PM MB     • RFC2383 (PM multicast routing MB       • RFC1373, 1843, 1850, 238, 2665     • RFC2381 (PM MB		<ul> <li>Port-based access control</li> </ul>	(JWAC)	for switch access
Management       • Web-based GUI       • Flow       • Debug command         • Command Line Interface (CL)       • Bort/PMCP Client       • ICMP vision       • SMTP         • Tenter client       • DHCP actors       • DHCP delay       • DHCP vision       • DHCP vision         • TTP feint       • DHCP actors       • DHCP actors       • DHCP vision       • DHCP vision       • DHCP vision         • SMWP it/Vac/v3       • DHCP actors       • DHCP actors       • DHCP server       • Trusted host         • Supports 12,3:9 groups       • DHCP actors       • DHCP actors       • DHCP visions       • DHCP visions         • Supports 12,3:9 groups       • NMUtiple configurations       • Secure FTP*       • DHCP visions		<ul> <li>Host-based access control</li> </ul>	<ul> <li>Host-based access control</li> </ul>	<ul> <li>4-Level user account</li> </ul>
Command Line Interface (CL) <ul> <li>LLDP.LLDP.MED</li> <li>SIMP</li> <li>Generate server</li> <li>Gond/DMCV Client</li> <li>CMPv6</li> <li>CMPLCP relay option 62; 61</li> <li>CMPv6</li> <li>CMPv7</li> <li>CMPv1</li></ul>		Dynamic VLAN assignment		
Image: Server· BootP/DHCP client· CMPvide· Felnet Client· DHCP witz configuration· DHCP witz configuration· TFTP Client· DHCP relay option 60; 61· DHCPvide relay· ZModem· DHCP relay option 60; 61· DHCPvide Server· SNMP v1/v2z/v3· DHCP relay option 62; · DHCPvide PDP· SNMP v1/v2z/v3· DHCP relay option 62; · DHCPvide PDP· SNMP v1/v2z/v3· DHCP relay option 62; · DHCPvide PDP· SNMP v1/v2z/v3· DHCP relay option 62; · DHCPvide PDP· SNMP v1/v2z/v3· DHCP relay option 62; · DHCPvide PDP· Stopports 1,2,3.9 groups· Multiple configurations· Supports ProbeConfig group· PV-4I/VeC DNS clientOAM· 602.3ah Ethernet link OAM· 602.3ah D-Link extension: D-Link· GABIe diagnostics· DHCPvide PDP· FEC1313 MIB-II· FEC2332 IPV4 multicast routing MIB· FEC1343 A18B bidge MIB· FEC2342 PIV4 MMI for IPV4· FEC1493 A18B bidge MIB· FEC2392 IPV4 multicast routing MIB· FEC1493 A18B bidge MIB· FEC2393 IPV4 multicast routing MIB· FEC1492 TACCOS SNMP MIB· FEC2393 JCMP MIB· FEC231 FNON MIA· FEC2393 JCMP MIB· FEC231 FNON MIB· FEC2393 JCMP MIB· FEC232 FIVE MUBB· FEC2393 DMFSer Expedited· FFC2343 JBA3 JCA32 JCA32 JCA32 JCA32 JCA32 JCA42 JA62 JPv6 stateless· FEC2361 RADUUS authentication· FEC2391 JPM· FEC238 JCA14 MIB· FEC238 JCA14 JPv6 Adple Ad	Management		• sFlow	Debug command
Image: Server· BontP/DHCP client· CMPv6· Tellnet client· DHCP wito configuration· DHCP wito client· TETP client· DHCP relay option 60; 61· DHCPv6 server· SMMP V1/v2c/v3· DHCP relay option 62; · DHCPv6 Server· Trusted host· SMMP V1/v2c/v3· DHCP relay option 62; · DHCPv6 Server· Trusted host· SMMP V1/v2c/v3· DHCP relay option 62; · DHCPv6 PD*· MITU setting· SMMP V1/v2c/v3· DHCP relay option 62; · DHCPv6 PD*· MITU setting· SMON V1· Multiple configurations· Secure FTP*· Supports 12.3.9 groups· Multiple configurations· Secure FTP*· Supports ProbeConfig group· PPv4/IvbC DNS client· DHCPv6 PD*OAM· 002.3ah Ethermet link OAM· 002.3ah Unite setrouing lient· IEEE 1588 Precision Time Prot· MIB/IETF Standards· RFC1313 MB-II· RFC2378 VIRP MIB· RFC2382 VIRP· RFC1439 418b bridge MIB· RFC2392 PV4 multicast routing MIB· RFC2382 VIRP· RFC12571-2575 SMMP MIB· RFC2392 PV4 multicast routing MIB· RFC2382 VIRP· RFC23721-2575 SMMP MIB· RFC2392 PV4 multicast routing MIB· RFC2382 VIRP· RFC2381 PMA MIB· RFC2392 PV4 multicast routing MIB· RFC2382 VIRP· RFC2372 PV372 MIB· RFC2392 SMOIDS Accounting (EF)· RFC2392 SMOIDS Accounting (EF)· RFC2372 PV372 PV4 MIB· RFC2392 SMOIDS Accounting (EF)· RFC2392 PV4 AUB· RFC2372 PV4 MIB· RFC2392 SMOIDS Accounting (EF)· RFC2392 PV4 SmolDS Accounting (EF)· RFC2474 363 802.1p MIB· RFC2392 SMOIDS		Command Line Interface (CLI)	LLDP/LLDP-MED	SNTP
ITTP clientDHCP relayDHCP wild option 60: 61ZMOdemDHCP relay option 62: 0DHCP relay option 62: 0DHCP relay option 62: 0SNMP V1/V2CV3DHCP serverTrusted hostSNMP V1/V2CV3DHCP serverTrusted hostSNMP V1/V2CV3DHCP serverTrusted hostSNMP V1/V2CV3Multiple imagesMitrosoft* NLB supportNMON V1Multiple indigesMitrosoft* NLB supportSupports ProbeConfig groupPMV/HVE NNS clientOAM802.3ah Ethernet link OAM802.3ah D-Link extension: D-LinkCable diagnosticsUndirectional Link Detection (DULD)IEEE1588 Precision Time ProtMIB/ETF StandardsRFC1213 MIB-IIRFC2287 VRRP MIBRFC1213 MIB-IIRFC2237 VATRP MIBRFC2333 SURPRFC1213 T271, 2819 RMON MIBRFC2382 MPM multicat routing MIBRFC1213 RVRPRFC2332 SURP MIBRFC2333 SURP RPRFC1213 RVR2 MIBRFC2332 SURP MIBRFC2333 SURP RPRFC2323 ZC371 AC50 SNMP MIBRFC2325 Traceroute MIBRFC2332 SURP RPRFC2323 ZC371 RSM MIBRFC2332 SURP MIBRFC2332 SURP RPRFC2323 ZC371 RMON MIBRFC2332 SURP MIBRFC2332 SURP RPRFC2323 ZC371 RMON MIBRFC2332 SURP MIBRFC2325 SURP STRP ExpeditedRFC2323 ZC371 RMBRFC2332 SURP MIBRFC2325 SURP STRP ExpeditedRFC2474 A533 802.1p MIBRFC2791 PCRFC2460 FP/6RFC2674 A533 802.1p MIBRFC2791 PCRFC2460 FP/6RFC2568 MADUS authenticationRFC2791 PCRFC2460 FP/6RFC2674 RS18 RPRFC2582			<ul> <li>BootP/DHCP client</li> </ul>	• ICMPv6
ITTP clientOHCP relayOHCP relayZModemDHCP relay option 60; 61OHCP relay option 62; 61SNMP V1/v2cV3OHCP relay option 62Trusted hostSNMP V1/v2cV3OHCP relay option 62Trusted hostSNMP V1/v2cV3OHCP serverTrusted hostSNMP V1/v2cV3Multiple imagesMitrosoft* NLB supportNMUN V1Supports ProbeConfig groupMultiple imagesMitrosoft* NLB supportOAM802.3ah Ethernet link OAM802.3ah D-Link extension: D-LinkIEEE1588 Precision Time ProtOAM802.3ah Ethernet link OAM90.3ah D-Link extension: D-LinkIEEE1588 Precision Time ProtMIB/IETF StandardsRFC1213 MIB-IIPFC2287 VRRP MIBPFC2332 SI33 WRPRFC1213 MIB-IIPFC2382 VRRP MIBPFC2333 SI33 WRPRFC1213 ZIT1, 2519 FMON MIBPFC2382 APM multicat routing MIBPFC2333 SI33 WRPRFC1213 ZIT1, 2519 RMON MIBPFC2382 INPM multicat routing MIBPFC2383 SINPFRFC1213 ZIT1, 2519 RMON MIBPFC2382 INPM multicat routing MIBPFC2382 SINPF v2 MIBRFC2323 Z232 Z232 Z232 Z232 Z233 Z235 IPM MIBPFC2232 Traceroute MIBPFC2382 SINPF v2 MIBRFC2323 Z232 Z232 Z232 Z232 Z232 Z232 Z232		<ul> <li>Telnet client</li> </ul>	<ul> <li>DHCP auto-configuration</li> </ul>	DHCPv6 client
ZModem-DHCP relay option 62; 61-DHCP visererSNMP Yrly/2c/v3-DHCP relay option 62-DHCPv6 PD'SNMP trap-DHCP server-Trusted hostSystem log-Flash file system-NITU settingRMON v1-Multiple images-NITU settingSupports ProbeConfig group-CPU monitoring-DHCPv6 PD'OAM-802.2ah Ethernet link OAM-802.3ah D-Link extension: D-Link-IEEE1588 Precision Time ProtOAM-802.2ah Ethernet link OAM-802.3ah D-Link extension: D-Link-IEEE1588 Precision Time ProtOAM-802.2ah Ethernet link OAM-802.3ah D-Link extension: D-Link-IEEE1588 Precision Time ProtORM-807.2ah Ethernet link OAM-802.3ah D-Link extension: D-Link-IEEE1588 Precision Time ProtORM-807.2ah Ethernet link OAM-802.3ah D-Link extension: D-Link-IEEE1588 Precision Time ProtORM-807.23ah TSMPAV MIB-RFC2032 IIV4 multicast routing MIB-RFC2032 Stark PM MIB-RFC1907 SINMPV2 MIB-RFC2032 IIV4 multicast routing MIB-RFC2333 NORP Time-RFC1907 SINMPV2 MIB-RFC2032 Stark PADLUS accounting-RFC2131 SRADLUS Accounting-RFC1907 SINMPV2 MIB-RFC2032 Stark Prove MIB-RFC233 Stark PADLUS Accounting-RFC1907 SINMPV2 MIB-RFC2032 Stark PADLUS Accounting-RFC2474.4363 802.1 p MIB-RFC2032 Stark PADLUS Active ANB-RFC2032 Stark PADLUS Accounting-RFC2668 MAU MIB-DLink private MIB-RFC2480 EVA-RFC2674 A4363 802.1 p MIB-RFC728 VTP-RFC2480 EVA-RFC2618 RADUUS authentication-RFC729 TCP				
SNMP V1/22/V3• DHCP relay option 82• DHCP relay option 81DHCP relay option 81DHCP relay option 81DHCP relay option 81DHCP relay option 82D				-
• SNMP trap • System log• DHCP server · Flash file system • Multiple configurations • Secure TP* • Supports 12,3,9 groups • Multiple configurations • Supports ProbeConfig group • IPv4/IPv6 DNS client• Trusted host • Microsoft* NLB support • Secure TP* • DHCPv6 PD*OAM• 802.3ah Ethernet link OAM • Cable diagnostics• 802.3ah D-Link extension: D-Link Undirectional Link Detection (DULD)• IEEE1588 Precision Time Prot • (PTP)MIB/IETF Standards• RFC1213 MIB-II • RFC1213 MIB-II • RFC1231 SMID-II • RFC1231 SMID-II • RFC1231 SMID-II • RFC1231 SMID-II • RFC1232 IPv4 multicast routing MIB • RFC2389 VRPP • RFC2389 VRPP MIB • RFC2389 CRADIUS accounting Client • RFC2383 VRRP • RFC2383 VRRP • RFC2383 VRRP • RFC2383 VRRP • RFC2383 VRRP • RFC2338 VRDP VA • RFC2328 VRDP VA • RFC2328 VRDP VA • RFC2328 VRDP VA • RFC2382 VRP VRD VA • RFC2382 VRP VRD				
• System log • RMON v1• Flash file system • Multiple images • Multiple configurations • Secure FTP' • DHCPv6 PD'• MTU setting • Microsoft* NLB support • DHCPv6 PD'OAM• 602.3ah Ethernet link OAM • Cable diagnostics• 802.3ah D-Link extension: D-Link Unidirectional Link Detection (DULD)• IEEE1588 Precision Time Prot (PTP)OAM• 602.3ah Ethernet link OAM • Cable diagnostics• 802.3ah D-Link extension: D-Link Unidirectional Link Detection (DULD)• IEEE1588 Precision Time Prot (PTP)OAM• 602.3ah Ethernet link OAM • Cable diagnostics• 8FC2787 VRRP MIB • RFC2382 PAP MULticast routing MIB • RFC2382 PAP AMULticast routing MIB • RFC2383 PIM MIB • RFC2383 IGMP M				
· MURD VL · Supports 12,3.9 groups · Supports 12,3.9 groups · Supports ProbeConfig group· Multiple configurations · CPU monitoring · IPV4/IPV6 DNS client· Microsoft * NLB support · Secure FTP* · Secure FTP* · DPC*OAM• 402.3ah Ethernet link OAM · Cable diagnostics• 802.3ah D-Link extension: D-Link Undirectional Link Detection (DULD)· IEEE1588 Precision Time Prot · (PTP)MIB/IETF Standards• RFC1213 MIB-II · RFC1492, 4188 bridge MIB · RFC1492, 4188 bridge MIB · RFC1492, 4188 bridge MIB · RFC2392 IPV4 multicast routing MIB · RFC2392 IPV4 multicast routing MIB · RFC2392 IPV4 multicast routing MIB · RFC2392 RDNUS accounting client · RFC2393 NGMP MIB · RFC2392 RDNUS accounting client · RFC2393 RDNUS Accounting · RFC2393 RDNUS Acco				
• Supports 1,2,3.9 groups • RMON v2 • Supports ProbeConfig group • Supports ProbeConfig group • Supports ProbeConfig group • IPV4/IPv6 DNS Client• Secure FTP4 • DHCPv6 PD1OAM• 802.3ah Ethernet link OAM • Cable diagnostics• 802.3ah D-Link extension: D-Link Unidirectional Link Detection (DULD)• IEEE1588 Precision Time Prot (PTP)MIB/ETF Standards• RFC1213 MIB-II • RFC1907 SMMP/X MIB • RFC1907 SMMP/X MIB • RFC2932 IPV4 multicast routing MIB • RFC2332 VRM PMIB • RFC2332 VRM PMIB • RFC2332 VRM PMIB • RFC2332 VRM PMIB • RFC2333 VRMB • RFC2333 VRMD MIB • RFC2333 VRMD VA MIB • RFC2333 VRMD VA MIB • RFC2333 VRMD MIB • RFC2333 VRMD VA MIB •		· · · · · · · · · · · · · · · · · · ·		
• RMON v2 • Supports ProbeConfig group• CPU monitoring • IPv4/IPv6 DNS client• DHCPv6 PD*OAM• 802.3ah Ethernet link OAM • Cable diagnostics• 802.3ah D-Link extension: D-Link Utidirectional Link Detection (DULD)• IEEE1588 Precision Time Prot (PTP)MIB/IETF Standards• RFC1213 MIB-II • RFC1493, 4188 bridge MIB • RFC1903 SIMIPv2 MIB • RFC2034 PIM MIB for IPv4 • RFC2332 SIVAP MIB • RFC2033 UPv4 multicast routing MIB • RFC2333 VRPP • RFC2332 VRPP • RFC233 VRPP • RFC2333 VRPP • RFC2333 VRPP • RFC2333 VRPP • RFC233 VRPP • RFC233 VRPP • RFC233 VRPP • RFC233 VRPP • RFC2333 VRPP • RFC233 VRPP • RF				
- Supports ProbeConfig group- IPv4/IPv6 DNS clientOAM- 802.3ah Ethernet link OAM - Cable diagnostics- 802.3ah D-Link extension: D-Link Unidirectional Link Detection (DULD)- IEEE 1588 Precision Time Prot (PTP)MIB/IETF Standards- RFC1213 MIB-II - RFC1493, 4188 bridge MIB - RFC1907 SNMPv2 MIB - RFC12932 IPv4 multicast routing MIB - RFC2932 IPv4 multicast routing client - RFC12932 IPv4 multicast routing client - RFC12932 IPv4 multicast routing client - RFC2393 RADIUS Accounting - RFC2393 RADIUS A				
OAM• 802.3ah Ethermet link OAM Cable diagnostics• 802.3ah D-Link extension: D-Link Unidirectional Link Detection (DULD)• IEEE1588 Precision Time Prot (PTP)MIB/IETF Standards• RFC1213 MIB-II • RFC1493, 4188 bridge MIB • RFC1970 SNMPv2 MIB • RFC2571-2576 SNMP MIB • RFC2570 SSM 256 SNMP MIB • RFC2575 SNMP MIB • RFC2575 SNMP MIB • RFC2570 SSM 256 SNMP MIB • RFC2292 IPv4 multicast routing MIB • RFC2378 VRRP MIB • RFC2372 SSM SSM MIB • RFC2378 VRRP MIB • RFC2372 SSM SSM MIB • RFC2372 SSM SSM MIB • RFC2372 SSM MIB • RFC2378 VRRP MIB • RFC2378 C2620 RADIUS accounting client • RFC2378 C2021 RMON v2 MIB • RFC2383 IGMP MIB • RFC2383 IGMP MIB • RFC2383 DRIMB • RFC2384 DRIMB • RFC2384 DRIMB • RFC2384 DRIMB • RFC2384 DRIMB • RFC384				<ul> <li>DHCPv6 PD<sup>4</sup></li> </ul>
Cable diagnosticsUnidirectional Link Detection (DULD)(PTP)MIB/IETF Standards. RFC1213 MIB-II . RFC1493, 4188 bridge MIB . RFC1993 (PV4 multicast routing MIB . RFC2932 IPv4 multicast routing MIB . RFC2338 XDRP . RFC2529, 3053, 3056 IPv6 Tu . RFC2529, 3053, 3056 IPv6 Tu . RFC2138 RADIUS accounting . RFC2138 RADIUS accounting . RFC2139 RADIUS accounting . RFC2139 RADIUS Accounting . RFC2402 TACACS . RFC2292 ping MIB . RFC2402 TACACS . RFC2668 MAU MIB . RFC2670 PV6 . RFC2460 RADIUS authentication . RFC2617 A633 802.1 p MIB . RFC791 IP . Discovery (ND) . RFC2460 RADIUS authentication . RFC791 IP . Discovery (ND) . RFC194 IPv6 dual stad . RFC194 IPv6 dual stad . RFC194 IPv6 dual stad . RFC194 IPv6 dual stad . RFC1951, 1542, 2131 BootP. RFC1981 IPv6 dual stad . RFC1981 IPv6 dual stad . RFC1981 IPv6 dual stad . RFC1981 IPv6 dual stad . Static .		Supports ProbeConfig group	• IPv4/IPv6 DNS client	
<ul> <li>RFC1493,4188 bridge MIB</li> <li>RFC2932 IPv4 multicast routing MIB</li> <li>RFC2338 VRRP</li> <li>RFC2337 VRP4</li> <li>RFC2372 FX5 MMPV2 MIB</li> <li>RFC2420 RADIUS accounting client</li> <li>RFC2138 RADIUS</li> <li>RFC2138 RADIUS Accounting</li> <li>RFC240 IPV6 MIB</li> <li>RFC240 IPV6</li> <li>RFC</li></ul>	OAM			IEEE1588 Precision Time Protocol     (PTP)
• RFC1907 SIMPV2 MIB• RFC2934 PIM MIB for IPv4• RFC2529, 3053, 3056 IPv6 Tu• RFC2571 - 2576 SIMP MIB• RFC2620 RADIUS accounting client• RFC2131 RADIUS• RFC1212, 2819 RMON MIB• RFC2935 ping MIB• RFC1492 TACACS• RFC1398, 1643, 1650, 2358, 2665• RFC2925 ping MIB• RFC1376 SFlow• RFC1218, RADIUS Accounting• RFC2321, 2819 RMON MIB• RFC2925 ping MIB• RFC2376 SFlow• RFC1492 TACACS• RFC2668 MAU MIB• D-Link private MIB• RFC2395 Ping MIB• RFC2395 Ping MIB• RFC2668 MAU MIB• D-Link private MIB• RFC24601 RAGI IPv6 Neighbo• RFC2674, 4363 302.1p MIB• RFC768 UDP• RFC2461, 4861 IPv6 Neighbo• RFC2618 RADIUS authentication• RFC781 TFP• RFC2461, 4861 IPv6 Neighbo• RFC22096, 4292 IP forwarding table• RFC792 ICMP• RFC2461, 4861 IPv6 path MTU disc• RFC2096, 4292 IP forwarding table• RFC793 TCP• autoconfiguration• RFC2096, 4292 IP forwarding table• RFC2654 Telnet• RFC4213 IPv4/IPv6 dual stacl• RFC2096, 4292 IP forwarding table• RFC251, 1542, 2131 BootP• RFC4213 IPv4/IPv6 dual staclL3 Features• IPv6 tunneling• Static• Static• SIATAP• GRE• OSPF v3 (IPv6)• BGP v4L3 Routing• RIPng (IPv6)• OSPF v3 (IPv6)• BGP v4Multicasting• PIM-SM v6• DVMRP v3	MIB/IETF Standards	• RFC1213 MIB-II	RFC2787 VRRP MIB	• RFC2068, 2618 HTTP
• RFC1907 SIMPV2 MIB• RFC2934 PIM MIB for IPv4• RFC2529, 3053, 3056 IPv6 Tu• RFC2571 - 2576 SIMP MIB• RFC2620 RADIUS accounting client• RFC2131 RADIUS• RFC1212, 2819 RMON MIB• RFC2935 ping MIB• RFC1492 TACACS• RFC1398, 1643, 1650, 2358, 2665• RFC2925 ping MIB• RFC1376 SFlow• RFC1218, RADIUS Accounting• RFC2321, 2819 RMON MIB• RFC2925 ping MIB• RFC2376 SFlow• RFC1492 TACACS• RFC2668 MAU MIB• D-Link private MIB• RFC2395 Ping MIB• RFC2395 Ping MIB• RFC2668 MAU MIB• D-Link private MIB• RFC24601 RAGI IPv6 Neighbo• RFC2674, 4363 302.1p MIB• RFC768 UDP• RFC2461, 4861 IPv6 Neighbo• RFC2618 RADIUS authentication• RFC781 TFP• RFC2461, 4861 IPv6 Neighbo• RFC22096, 4292 IP forwarding table• RFC792 ICMP• RFC2461, 4861 IPv6 path MTU disc• RFC2096, 4292 IP forwarding table• RFC793 TCP• autoconfiguration• RFC2096, 4292 IP forwarding table• RFC2654 Telnet• RFC4213 IPv4/IPv6 dual stacl• RFC2096, 4292 IP forwarding table• RFC251, 1542, 2131 BootP• RFC4213 IPv4/IPv6 dual staclL3 Features• IPv6 tunneling• Static• Static• SIATAP• GRE• OSPF v3 (IPv6)• BGP v4L3 Routing• RIPng (IPv6)• OSPF v3 (IPv6)• BGP v4Multicasting• PIM-SM v6• DVMRP v3		<ul> <li>RFC1493, 4188 bridge MIB</li> </ul>	<ul> <li>RFC2932 IPv4 multicast routing MIB</li> </ul>	RFC2338 VRRP
• RFC2571~2576 SNMP MIB • RFC1271,2819 RMON MIB • RFC1271,2819 RMON MIB • RFC1398,1643,1650,2358,2665 • RFC2925 ping MIB • RFC1398,1643,1650,2358,2665 • RFC2925 ping MIB • RFC1398,1643,1650,2358,2665 • RFC2925 ping MIB • RFC2925 traceroute MIB • RFC2578 MUB • RFC2598 DiffServ Expedited • RFC2460 IPv6 • RFC2460 IPv6 • RFC2460 IPv6 • RFC2460 IPv6 • RFC2461,4861 IPv6 Neighbo • RFC2460 IPv6 • RFC2461,4861 IPv6 Neighbo • RFC2460 IPv6 • RFC2460 IPv6 • RFC2461,4861 IPv6 Neighbo • RFC2460 IPv6 • RFC2460 IPv6 • RFC2460 IPv6 • RFC2460 IPv6 • RFC2460 IPv6 • RFC2460 IPv6 Vertication • RFC783 TFTP • RFC2460 IPv6 Vertication • RFC793 ICP • RFC2460 IPv6 Vertication • RFC2460 IPv6 Vertication • RFC793 ICP • RFC2460 IPv6 Vertication • RFC1850 OSPF v2 MIB • RFC2906,4292 IP forwarding table • RFC293 IGMP • RFC293 IGMP • RFC2480 IPv6 Vertication • RFC4213 IPv4/IPv6 dual stact MIB (CIDR) • RFC2460 IPv6 • RFC4213 IPv4/IPv6 dual stact • IPv6 tunneling • Static • ISATAP • GRE • 6to4• IPv6 tunneling • Static • ISATAP • GRE • 6to4• SRFC4213 IPv4/IPv6 dual stact • SFF v3 (IPv6)L3 Routing• RIPng (IPv6) • OSPF • OSPF v3 (IPv6)• OSPF • OSPF v3 (IPv6)• BGP v4Multicasting• PIM-SM v6 • DVMRP v3• DVMRP v3				• RFC2529, 3053, 3056 IPv6 Tunnel
• RFC1271, 2819 RMON MIBMIB• RFC233 IGMP MIB• RFC1492 TACACS• RFC2021 RMON v2 MIB• RFC2333 IGMP MIB• RFC1492 TACACS• RFC1492 TACACS• RFC2363 IGMP MIB• RFC1492 TACACS• Ether-like MIB• RFC2668 MAU MIB• D-Link private MIB• RFC2598 DiffServ Expedited• RFC2674, 4363 802.1p MIB• RFC768 UDP• RFC2461, 4861 IPv6 Neighbor• RFC2618 RADIUS authentication• RFC778 UDP• RFC2461, 4861 IPv6 Neighbor• RFC2124 RIP v2 MIB• RFC792 ICMP• RFC2462, 4862 IPv6 stateless• RFC1850 OSPF v2 MIB• RFC 793 ICP• RFC2462, 4862 IPv6 stateless• RFC1850 OSPF v2 MIB• RFC 793 ICP• RFC2421 IPv6 path MTU disc• RFC1850 OSPF v2 MIB• RFC 792 ICMP• RFC191 IPv6 path MTU disc• RFC1850 OSPF v2 MIB• RFC 793 ICP• RFC191 IPv6 path MTU disc• RFC1850 OSPF v2 MIB• RFC 792 ICMP• RFC191 IPv6 path MTU disc• RFC2096, 4292 IP forwarding table• RFC384 Telnet• RFC313 IPv4/IPv6 dual stad• MIB (CIDR)• GRE• GRE• GRE• Gito4• StaticL3 Features• IPv6 tunneling • Static• Static• ISATAP • GRE• GRC• OSPF • OSPF v3 (IPv6)• BGP v4L3 Routing• RIPc 9N v6• DVMRP v3				
• RFC2021 RMON v2 MIB • RFC1398, 1643, 1650, 2358, 2665 • RFC2925 ping MIB • RFC2980 DIffServ Expedited • RFC2980 DIffServ Expedited • RFC2980 DIffServ Expedited • RFC22668 MAU MIB • RFC2668 MAU MIB • RFC233, 2863 IF MIB • RFC238 TFTP • RFC2461, 4861 IPv6 Neighbo • RFC2461, 4861 IPv6 Neighbo • RFC2461, 4861 IPv6 Neighbo • RFC2461, 4861 IPv6 Neighbo • RFC238 TFTP • RFC2462, 4862 IPv6 stateless • RFC1724 RIP v2 MIB • RFC792 ICMP • RFC2364 RAP • RFC1981 IPv6 path MTU disc • RFC2306, 4292 IP forwarding table • RFC2364 RAP • RFC2354 Telnet • RFC4213 IPv4/IPv6 dual stack • RFC4213 IPv4/IPv6 dual stack • RFC4213 IPv4/IPv6 dual stack • ISCAS4 Telnet • RFC4213 IPv4/IPv6 dual stack • RFC4213 IPv4/IPv6 • RFC4213 IPv4 • RFC4213 IPv4 <td></td> <td></td> <td>0</td> <td></td>			0	
• RFC1398, 1643, 1650, 2358, 2665• RFC2925 ping MIB• RFC3176 sFlow• RFC2668 MAU MIB• RFC2676 traceroute MIB• RFC2925 traceroute MIB• RFC2598 Diffserv Expedited Forwarding (EF)• RFC2668 MAU MIB• D-Link private MIB• RFC2601 Pv6• RFC2674, 4363 802.1 p MIB• RFC768 UDP• RFC2461, 4861 IPv6 Neighbo Discovery (ND)• RFC21724 RIP v2 MIB• RFC773 TFP• RFC2461, 4861 IPv6 Neighbo Discovery (ND)• RFC1724 RIP v2 MIB• RFC793 TCP• RFC2462, 4862 IPv6 stateless 				
Ether-like MIB• RFC2925 traceroute MIB• RFC2598 DiffServ Expedited• RFC2668 MAU MIB• D-Link private MIBForwarding (EF)• RFC2668 MAU MIB• RFC768 UDP• RFC2460 IPv6• RFC2233, 2863 IF MIB• RFC783 TFTP• RFC2461, 4861 IPv6 Neighbo• RFC2261 RADIUS authentication• RFC 791 IPDiscovery (ND)• Client MIB• RFC 793 TCP• autoconfiguration• RFC1724 RIP v2 MIB• RFC 793 TCP• autoconfiguration• RFC1850 OSPF v2 MIB• RFC 826 ARP• RFC1981 IPv6 path MTU disc• RFC2096, 4292 IP forwarding table• RFC854 Telnet• RFC4213 IPv4/IPv6 dual stack• MIB (CIDR)• Static• Static• Static• Static• Static• Static• Static• GRE• GRE• 6to4• OSPF v3 (IPv6)• BGP v4L3 Routing• RIPng (IPv6)• OSPF v3 (IPv6)• BGP v4Multicasting• PIM-SM v6• DVMRP v3• DVMRP v3				
· RFC2668 MAU MIB· D-Link private MIBForwarding (EF)· RFC2674, 4363 802.1 p MIB· RFC768 UDP· RFC2461 (Pv6 or Pv6)· RFC233, 2863 IF MIB· RFC783 TFTP· RFC2461, 4861 IPv6 Neighbo· RFC2618 RADIUS authentication· RFC 791 IP· Discovery (ND)· client MIB· RFC 792 ICMP· RFC2462, 4862 IPv6 stateless· RFC1724 RIP v2 MIB· RFC 793 TCP· autoconfiguration· RFC1850 OSPF v2 MIB· RFC 826 ARP· RFC1981 IPv6 path MTU disc· RFC2096, 4292 IP forwarding table· RFC854 Telnet· RFC4213 IPv4/IPv6 dual stacd· RFC2096, 4292 IP forwarding table· RFC951, 1542, 2131 BootP· RFC4213 IPv4/IPv6 dual stacdL3 Features· IPv6 tunneling· Static· ISATAP· GRE· GRE· Gto4· OSPF v3 (IPv6)· BGP v4L3 Routing· RIPng (IPv6)· OSPF v3 (IPv6)· BGP v4Multicasting· PIM-SM v6· DVMRP v3· DVMRP v3				
• RFC2674, 4363 802.1 p MIB• RFC768 UDP• RFC2460 IPv6• RFC2233, 2863 IF MIB• RFC783 TFTP• RFC2461, 4861 IPv6 Neighbor• RFC2618 RADIUS authentication• RFC 791 IPDiscovery (ND)• RFC17124 RIP v2 MIB• RFC 793 TCP• RFC2462, 4862 IPv6 stateless• RFC1724 RIP v2 MIB• RFC 793 TCP• autoconfiguration• RFC2096, 4292 IP forwarding table• RFC 826 ARP• RFC1981 IPv6 path MTU disc• RFC2096, 4292 IP forwarding table• RFC854 Telnet• RFC4213 IPv4/IPv6 dual stad• RFC2096, 4292 IP forwarding table• RFC951, 1542, 2131 BootP• RFC4213 IPv4/IPv6 dual stad• IPv6 tunneling • Static • ISATAP • GRE • 6to4• IPv6 tunneling• Static • ISATAPL3 Routing• RIPng (IPv6)• OSPF • OSPF v3 (IPv6)• BGP v4Multicasting• PIM-SM v6• DVMRP v3				
• RFC2233, 2863 IF MIB• RFC783 TFTP• RFC2461, 4861 IPv6 Neighbor Discovery (ND) • RFC2462, 4862 IPv6 stateless autoconfiguration • RFC1724 RIP v2 MIB • RFC1724 RIP v2 MIB • RFC1850 OSPF v2 MIB • RFC2951, 1542, 2131 BootP• RFC2462, 4862 IPv6 stateless autoconfiguration • RFC1981 IPv6 path MTU disc • RFC4213 IPv4/IPv6 dual stack • SFC4213 IPv4/IPv6 dual stack • RFC4213 IPv4/IPv6 • RFC4213 IPv4 • RFC4				5.
• RFC2618 RADIUS authentication client MIB • RFC1724 RIP v2 MIB • RFC1724 RIP v2 MIB • RFC1724 RIP v2 MIB • RFC1850 OSPF v2 MIB • RFC2096, 4292 IP forwarding table • RFC2096, 4292 IP forwarding table <br< td=""><td></td><td></td><td></td><td></td></br<>				
client MIB       • RFC 792 ICMP       • RFC2462, 4862 IPv6 stateless autoconfiguration         • RFC1724 RIP v2 MIB       • RFC 793 TCP       • autoconfiguration         • RFC1850 OSPF v2 MIB       • RFC 826 ARP       • RFC1981 IPv6 path MTU disc         • RFC2096, 4292 IP forwarding table       • RFC854 Telnet       • RFC4213 IPv4/IPv6 dual stack         • MIB (CIDR)       • RFC951, 1542, 2131 BootP       • RFC4213 IPv4/IPv6 dual stack         L3 Features       • IPv6 tunneling       • Static         • ISATAP       • GRE       • 6to4         L3 Routing       • RIPng (IPv6)       • OSPF         Multicasting       • PIM-SM v6       • DVMRP v3				
• RFC1724 RIP v2 MIB • RFC1850 OSPF v2 MIB • RFC2996, 4292 IP forwarding table MIB (CIDR)• RFC 793 TCP • RFC826 ARP • RFC854 Telnet • RFC951, 1542, 2131 BootP• autoconfiguration • RFC1981 IPv6 path MTU disc • RFC4213 IPv4/IPv6 dual stackEnhanced Image (EI) Features• IPv6 tunneling • Static • ISATAP • GRE • 6to4• IPv6 funneling • Static • ISATAP • GRE • 6to4• OSPF • OSPF v3 (IPv6)• BGP v4L3 Routing• PIM-SM v6• DVMRP v3• DVMRP v3				
• RFC1850 OSPF v2 MIB       • RFC 826 ARP       • RFC1981 IPv6 path MTU disc         • RFC2096, 4292 IP forwarding table       • RFC854 Telnet       • RFC4213 IPv4/IPv6 dual stack         • MIB (CIDR)       • RFC951, 1542, 2131 BootP       • RFC4213 IPv4/IPv6 dual stack         Enhanced Image (EI) Features       • IPv6 tunneling       • Static         • Static       • ISATAP       • GRE         • 6to4       • OSPF v3 (IPv6)       • BGP v4         Multicasting       • PIM-SM v6       • DVMRP v3				RFC2462, 4862 IPv6 stateless address
• RFC2096, 4292 IP forwarding table       • RFC854 Telnet       • RFC4213 IPv4/IPv6 dual stack         • RFC4213 IPv4/IPv6 dual stack       • RFC4213 IPv4/IPv6 dual stack         Enhanced Image (EI) Features       • IPv6 tunneling         • Static       • Static         • ISATAP       • GRE         • 6to4       • OSPF v3 (IPv6)         Multicasting       • PIM-SM v6				
MIB (CIDR)       • RFC951, 1542, 2131 BootP         Enhanced Image (EI) Features       • IPv6 tunneling • Static • ISATAP • GRE • 6to4         L3 Routing       • RIPng (IPv6)         • NIP (IPv6)       • OSPF v3 (IPv6)         Multicasting       • PIM-SM v6			• RFC 826 ARP	<ul> <li>RFC1981 IPv6 path MTU discovery</li> </ul>
Enhanced Image (EI) Features         L3 Features         · IPv6 tunneling         · Static         · ISATAP         · GRE         · 6to4         L3 Routing         Multicasting         · PIM-SM v6		<ul> <li>RFC2096, 4292 IP forwarding table</li> </ul>	RFC854 Telnet	RFC4213 IPv4/IPv6 dual stack
L3 Features IPv6 tunneling • Static • ISATAP • GRE • 6to4 L3 Routing • RIPng (IPv6) • OSPF v3 (IPv6) • DVMRP v3		MIB (CIDR)	• RFC951, 1542, 2131 BootP	
• Static     • ISATAP       • GRE     • 6to4       L3 Routing     • RIPng (IPv6)     • OSPF v3 (IPv6)       Multicasting     • PIM-SM v6     • DVMRP v3	Enhanced Image (EI) Fe	atures		
· ISATAP · GRE · 6to4         L3 Routing       · RIPng (IPv6)       · OSPF v3 (IPv6)         Multicasting       · PIM-SM v6       · DVMRP v3	L3 Features	• IPv6 tunneling		
· GRE       · 6to4       L3 Routing     · RIPng (IPv6)     · OSPF v3 (IPv6)       Multicasting     · PIM-SM v6     · DVMRP v3		Static		
· 6to4       L3 Routing     · RIPng (IPv6)     · OSPF v3 (IPv6)     · BGP v4       Multicasting     · PIM-SM v6     · DVMRP v3				
L3 Routing PIM-SM v6 • DVMRP v3				
Multicasting     • PIM-SM v6     • DVMRP v3		• 6to4		
Multicasting • PIM-SM v6 • DVMRP v3	L3 Routing	• RIPng (IPv6)		• BGP v4
			• OSPF v3 (IPv6)	
	Multicasting	• PIM-SM v6	• DVMRP v3	
OAM • 802.1ag Connectivity Fault • ITU-T Y.1731	OAM	802.1ag Connectivity Fault	• ITU-TY.1731	

Optional Products - 10 Gbps SFP+ Transceivers		
DEM-431XT	10 GBASE-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 (with DDM), 10 km	
Optional Products - 1 Gbps SFP T	ransceivers	
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 550 m, 3.3 V operating voltage	
DEM-314GT	SFP transceiver, 1000BASE-LHX standard, single-mode fiber, max. distance 50 km, 3.3 V operating voltage	
Optional Products - 10 Gbps SFP	+ Direct Attach Cables	
DEM-CB100S	10-GbE SFP+ 1 m direct attach cable	
DEM-CB300S	10-GbE SFP+ 3 m direct attach cable	
Optional Products - Redundant F	Power Supplies	
DPS-500	140 W redundant power supply	
DPS-700 <sup>2</sup>	589 W redundant power supply	
Optional Management Software		
DV-700	D-View 7 Network Management Software (downloadable from http://dview.dlink.com)	
DV-700-N25-LIC	D-View 7 License for 25 Nodes	
DV-700-N250-LIC	D-View 7 License for 250 Nodes	
DV-700-P10-LIC	D-View 7 License for 10 Probes	
<ol> <li>For DGS-3620-28TC/28SC/28PC models only.</li> <li>For DGS-3620-28PC/52P models only.</li> <li>After R 2.5, minimum granularity down to 8 Kbps.</li> <li>By default, the fan speed is low. When the temperature inside R 2.5 is supported.</li> <li>Supported by hardware version B1 and later.</li> </ol>	de the chassis is over 40°C (104 °F) , the fan switches to high speed until the temperature drops below 35 °C (95 °F).	



#### For more information: www.dlink.com

D-Link European Headquarters. D-Link (Europe) Ltd., D-Link House, Abbey Road, Park Royal, London, NW10 7BX. Specifications are subject to change without notice. D-Link is a registered trademark of D-Link Corporation and its overseas subsidiaries. All other trademarks belong to their respective owners. ©2015 D-Link Corporation. All rights reserved. E&OE.