


DGS-3450

Date: Dec 16,2005

Product Description:	48-port Gigabit L2+ Stackable Management Switch with 4 Combo SFP and 2 open slots for optional 10GE modules
Revision:	A1
Availability:	End of Dec, 2005
Picture:	
Why Sell This Product:	<p>DGS-3400 series is the Layer 2+ members of D-Link xStack product line. All DGS-3400 series provides 24/48 10/100/1000Mbps Gigabit Ethernet ports, 4 combo SFP and 10G open slots for optional 10GE modules. 10/100/1000Mbps Gigabit Ethernet ports allow you to connect to another LAN switches, or directly connect to the power users with Gigabit access. 4 combo SFP ports provide the fiber connectivity. 10GE open slots in the back-panel can be plugged with 10GE XFP modules for fiber uplinks or 10GE copper modules for inter-device connection. Also DGS-3400 series can be stacked with 10G copper module providing up to 40G stacking bandwidth, or cab stack with DGS/DXS-3300 series with D-Link SIM technology. And the third 10GE slot of DGS-3427 is available for more advanced network architecture like providing 10GE uplink for a Ring stack or dual 10GE uplinks for a ring stack for uplink load sharing & fail-over.</p> <p>With the latest technology, DGS-3400 series Switches provide L2 plus features including IPv4/v6 static routing, QoS and ACL filtering. Packet routing and protocol filtering/inspection make the Switch act even as the Layer 4 switches.</p> <p>Selling Points</p> <ul style="list-style-type: none"> • Cost effective, high speed 10Gigabit stacking and uplinks. • L2 managed Switch with static routing feature. • Support IPv4/v6 routing, security and multi-layer QoS function. • Advanced security feature such like MAC-IP binding, Web Access Control(R2), Per flow bandwidth control and D-Link safeguard engine provide higher reliability to networks. • With D-Link Zone Defense and multi-layer ACL function, make the proactive security possible to networks. • Very high port density, up to 576 gigabit per stack.(R2) • Stackable price, chassis function & performance.
Key Features:	<p>L2 Features</p> <ul style="list-style-type: none"> IGMP snooping 802.1D/1W/1S STP/RSTP/MSTP STP lookback detection 802.3ad Link Aggregation Back Pressure Flow Control WRED congestion control (R2) Port mirroring Trunking/Mirroring across stack (R2) Head-of-line blocking prevention <p>VLAN</p> <ul style="list-style-type: none"> 802.1Q Double VLAN (R2) VLAN Group GVRP

Guest VLAN (R2)

L3 Features

- IPv4/v6 Static Routing
- Floating Static Route (R2)
- IPv6 Tunneling (R2)

QoS

- Per flow bandwidth control
- 802.1p support
- 8 Queues per Port
- CoS Based on Switch Port
- CoS Based on MAC address
- CoS Based on 802.1p priority
- CoS Based on VLAN
- CoS Based on Protocol type
- CoS Based on TOS
- CoS Based on DSCP
- CoS Based on IPv4/v6 address
- CoS Based on IPv6 Traffic class
- CoS Based on IPv6 flow label
- CoS Based on TCP/UDP port

ACL (Access Control List)

- Per Port ACL
- Maximum 768 Rules
- Based on Switch Port
- Based on MAC address
- Based on 802.1p priority
- Based on VLAN
- Based on Protocol type
- Based on TOS
- Based on DSCP
- Based on IP address
- Based on IPv4/v6 address
- Based on IPv6 Traffic class
- Based on IPv6 flow label
- Based on TCP/UDP port
- CPU interface filtering

Security

- RADIUS/TACACS/TACACS+
- SSH v2
- SSL v3
- Port Security
- 802.1x Port-based/MAC-based Access Control
- Web-based Access Control (R2)
- Broadcast Storm Control
- Traffic Segmentation
- MAC-IP Binding
- D-Link Safeguard Engine

Management

- D-Link Single IP Management
- Web-based GUI
- CLI
- Web GUI Traffic Monitoring
- Web MAC address Browsing
- Telnet Server
- TFTP client
- SNMP v1/v2c/v3
- SNMP Trap on MAC Notification

	<p>RMON v1 BootP/DHCP client DHCP Auto-configuration DHCP relay option 82 (R2) SYSLOG Trap/ Alarm/ Log Severity Control Dual Image Dual Configuration Port Description Editable Login Banner and System Prompt CPU Monitoring Show Config Command Virtual Interface(Future Release)</p>
Technical Details:	<p>Standards - IEEE 802.3, 802.3u, IEEE 802.3ab 1000BASE-T Gigabit Ethernet, 802.3z, 802.3ae compliance - Support Full-Duplex operations - IEEE 802.3x Flow Control support for Full-Duplex mode</p> <p>Protocol - CSMA/CD</p> <p>Topology - Star</p> <p>Switching Capacity - 136Gbps</p> <p>Data Transfer Rates - 101.19Mpps</p> <p>Stacking Bandwidth - 40GB (1st release of DGS-3400 series will be stackable via D-Link SIM with 20G stacking bandwidth, 2nd release of DGS-3400 series will be upgraded to 40G bi-directional stacking bandwidth and support trunking / mirroring across units in a stack)</p> <p>MAC address Table - 8K</p> <p>IP address Table - 128 Routing Table(Static Route) - 2K IPv4 Host Table(1K for IPv6)</p> <p>External RPS Support - DPS-500</p> <p>Physical & Environmental</p> <p>Power Consumption 131.34W</p> <p>Operating Temperature 0 to 40 °C</p> <p>Storage Temperature -10 to 70 °C</p> <p>Humidity - Operation: 10%-90% RH - Storage: 5% ~ 90% RH</p> <p>Dimensions 441mm x 389mm x 44mm</p>
EMI/EMC Report	<p><input checked="" type="checkbox"/> FCC No. _____ <input checked="" type="checkbox"/> CE No. _____ <input type="checkbox"/> VCCI No. _____ <input type="checkbox"/> CTR-21 No. _____ <input checked="" type="checkbox"/> C-Tick No. _____ <input type="checkbox"/> A-Tick No. _____ <input type="checkbox"/> FDA No. _____ <input type="checkbox"/> R&TTE No. _____ <input type="checkbox"/> BSMI No. _____ <input type="checkbox"/> IC No. _____ <input type="checkbox"/> Others _____</p>
Safety	<p><input type="checkbox"/> TUV No. _____ <input type="checkbox"/> UL No. _____ <input checked="" type="checkbox"/> CSA No. _____ <input type="checkbox"/> CB No. _____ <input type="checkbox"/> Others _____</p>
Packaging Style	<p><input type="checkbox"/> Clamshell <input type="checkbox"/> White Box <input type="checkbox"/> Gift Box <input type="checkbox"/> Bulk <input checked="" type="checkbox"/> Brown Box <input type="checkbox"/> Others</p>
Packaging Contents:	<ul style="list-style-type: none"> ● DGS-3450 device x1 ● AC Power Cord x 1 ● Rack-mount kit (1 set)

	<ul style="list-style-type: none"> ● Generic Managed Switch Quick Installation Guide ● CD-ROM with Manual, Quick Installation Guide and D-View Module ● CD-ROM for D-View 5.1 Trail Version (For WW version) ● CD-ROM for D-View 5.1 Standard Version (For EUR version) ● D-View 5.1 User Guide (For EUR version) ● D-View 5.1 Quick Installation Guide (For EUR version) 		
UPC Code:	UPC code		Part Number
	790069	283246	BGS3450A..A1
	790069	283253	EGS3450BE.A1
	790069	283260	IGS3450A..A1
	790069	283277	IGS3450B..A1
	790069	283284	IGS3450E..A1
	790069	283291	IGS3450N..A1
	790069	283307	NGS3450CN.A1
	790069	283314	TGS3450A..A1
Units Per Carton:	For USA	For EU	For WW
	2	2	2
Cartons Per Pallet:	For USA	For EU	For WW
	Air:12, Sea: 18	Air:18, Sea: 18	Air:12, Sea: 18
Dimensions and Weight:	Box:		
	<input type="checkbox"/> 237x168x36mm (Type A) <input type="checkbox"/> 225x150x75mm (Type B) <input type="checkbox"/> 269x162x65mm (Type C) <input type="checkbox"/> 274x208x68mm (Type D) <input type="checkbox"/> 274x208x118mm (Type D1) <input type="checkbox"/> 274x208x138mm (Type D2) <input type="checkbox"/> 288x245x66mm (Type E) , Others <u> 555x530x145mm </u> , <u> 7.23 </u> kg Carton: <u> 295x275x206 </u> mm, <u> 15.7 </u> kg Pallet: (by Air) <u> 122X102X125 </u> mm, <u> 210.40 </u> kg (for USA) <u> 110X120X182 </u> mm, <u> 310.10 </u> kg (for EU) <u> 120X110X125 </u> mm, <u> 209.40 </u> kg (for WW) (by Sea) <u> 122X102X181 </u> mm, <u> 307.60 </u> kg (for USA) <u> 110X120X182 </u> mm, <u> 310.10 </u> kg (for EU) <u> 120X110X181 </u> mm, <u> 306.60 </u> kg (for WW) INTRASTAT weight: <u> 6.25 </u> kg (Box) Packing material weight (Box): - Paper: <u> 0.8 </u> kg - Plastic: <u> 0.1 </u> kg - Mixed: <u> 0.0 </u> kg		

PMA

Product Class	1 Switch--(080)	▼
Item Group	1-119 Switch	▼
Sub Group	1-230 Stackable/ Modular	▼
Intelligence	303 Managed	▼
Tech.(Features)	1-446 Gigabit Ethernet	▼
Layer	602 L2	▼
Application	501 Enterprise	▼
Q'ty	<input type="text" value="1"/>	

Interface 1		
Interface	703 Net	▼
Net Interface	1-801 10/100/1000BASE-T	▼
Port NO.	<input type="text" value="48"/>	

Interface 5		
Interface		▼
Net Interface		▼
Port NO.	<input type="text"/>	

Interface 2		
Interface	703 Net	▼
Net Interface	1-832 Module (空的)	▼
Port NO.	<input type="text" value="0"/>	

Interface 6		
Interface		▼
Net Interface		▼
Port NO.	<input type="text"/>	