


DGS-3427

Date: Dec 16,2005

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| Product Description: | 24-port Gigabit L2+ Stackable Management Switch with 4 Combo SFP and 3 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

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| | <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 - 108Gbps</p> <p>Data Transfer Rates - 80.36Mpps</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 71.6W</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-3427 device x1 ● AC Power Cord x 1 ● Rack-mount kit (1 set) |

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| | <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 | 283161 | BGS3427A..A1 |
| | 790069 | 283178 | EGS3427BE.A1 |
| | 790069 | 283185 | IGS3427A..A1 |
| | 790069 | 283192 | IGS3427B..A1 |
| | 790069 | 283208 | IGS3427E..A1 |
| | 790069 | 283215 | IGS3427N..A1 |
| | 790069 | 283222 | NGS3427CN.A1 |
| | 790069 | 283239 | TGS3427A..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> 7.00 </u> kg Carton: <u> 295x275x206 </u> mm, <u> 15.24 </u> kg Pallet: (by Air) <u> 122X102X125 </u> mm, <u> 204.88 </u> kg (for USA) <u> 110X120X182 </u> mm, <u> 301.82 </u> kg (for EU) <u> 120X110X125 </u> mm, <u> 203.88 </u> kg (for WW) (by Sea) <u> 122X102X181 </u> mm, <u> 299.32 </u> kg (for USA) <u> 110X120X182 </u> mm, <u> 301.82 </u> kg (for EU) <u> 120X110X181 </u> mm, <u> 298.32 </u> kg (for WW) INTRASTAT weight: <u> 6.02 </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

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| 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"/> | |

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| Interface 1 | | |
| Interface | 703 Net | ▼ |
| Net Interface | 1-801 10/100/1000BASE-T | ▼ |
| Port NO. | <input type="text" value="24"/> | |

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

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

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