



## **D-Link DGS-3420-52T 52-Port xStack Layer 2 Managed Stackable Gigabit Switch**



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The DGS-3420 Series of next generation Layer 2+ Gigabit switches delivers performance, flexibility, security, multi-layer QoS and access control, along with redundant power solutions for SMBs and enterprises. With high Gigabit port densities, Gigabit SFP and 10-Gigabit SF + support, and advanced software solutions, these switches can act as either departmental access layer devices or aggregation switches to form a multilevel network structured with backbone and centralised high-speed servers. Service providers can take advantage of the high SFP density switches to structure the aggregation of Fibre to the Building (FTTB) networks that they extend to the subscriber's sites.

Buffer Memory	2MB
Fixed Ports	52 port(s) x RJ-45 , 10/100/1000Mbps ,
Dimensions	44.1cm (W) x 31.0cm (D) x 4.4cm (H) - Weight 5.07kg

### **Features**

- \* Five different models in the Series, including PoE/PoE+ versions
- \* Multiple functions in a single device: switching, routing, PoE, eliminating the need of purchasing multiple routers and switches
- \* Physical stacking architecture: up to 576 Gigabit ports on a single stack
- \* Web-based GUI for easy management
- \* Comprehensive security features, including Microsoft NAP
- \* Comprehensive IPv6 support
- \* SD card slot to store and restore configuration files
- \* Green technology - Power-saving mode, time-base PoE, Smart Fans

### **Specification**

#### **General**

The DGS-3420 Series of next generation Layer 2+ Gigabit switches delivers performance, flexibility, security, multi-layer QoS and access control, along with redundant power solutions for SMBs and enterprises. With high Gigabit port densities, Gigabit SFP and 10-Gigabit SF + support, and advanced software solutions, these switches can act as either departmental access layer devices or aggregation switches to form a multilevel network structured with backbone and centralised high-speed servers. Service providers can take advantage of the high SFP density switches to structure the aggregation of Fibre to the Building (FTTB) networks that they extend to the subscriber's sites.



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### **Information**

We have very limited data about this product. Please contact us from more information.

### **Memory**

Buffer Memory 2MB

### **Routing**

**Layer 2 Services** MAC Address Table: 16K Flow Control: 802.3x Flow Control/HOL Blocking Prevention Jumbo Frame up to 13K Bytes IGMP snooping: IGMP v1/v2/v3 Snooping/Supports 960 groups/Port/Host-based/IGMP Snooping/Fast Leave MLD Snooping: MLD v1/v2 Snooping/Supports 480 groups/Host-based MLD Snooping Fast Leave Spanning Tree: 802.1D-2004 STP/802.1w RSTP/802.1Q-2005 MSTP/BPDU filtering/Root Restriction Loopback Detection 802.3ad Link Aggregation: Max. 32 groups per device/8 Gigabit ports or 2 10 Gigabit ports per group Port Mirroring: Support 4 Mirroring Groups/Support One-to-One, Many-to-One, Flow-based, and RSPAN mirroring L2 Protocol Tunneling ERPS (Ethernet Ring Protection Switching)

**Layer 3 Services** 256 IP interfaces Loopback interface IPv6 Tunneling Proxy ARP Gratuitous ARP 1K routing entries shared by IPv4/v6: Max. 1K IPv4 routes/Max. 512 IPv6 routes 2K L3 forwarding entries shared by IPv4/v6: Max. 2K IPv4 entries/Max. 1K IPv6 entries 256 static routing entries for IPv4, 128 entries for IPv6 RIP v1/v2 RIPng (IPv6)

### **Performance**

MAC Addresses 16,000  
Port Bandwidth 10/100/1000Mbps  
Stacking Capabilities 12 Units Per Stack

### **Interfaces Ports**

Network Speeds Supported 10/100/1000Mbps  
Fixed Ports 52 port(s) x RJ-45 , 10/100/1000Mbps ,  
Console Ports 1 x RJ-45



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**Management Port** 1 x 10/100 Ethernet Port

### **Compliance**

#### **Standards Compliance**

RFC1213 MIB-II RFC1493 Bridge MIB RFC1907 SNMPv2 MIB  
RFC2571~2576 SNMP MIB RFC1271, 2819 RMON MIB RFC2021 RMON v2  
MIB RFC2665 Ether-like MIB RFC2668 MAU MIB RFC2674 802.1p MIB  
RFC2233, 2863 IF MIB RFC2618 RADIUS Authentication Client MIB  
RFC1724 RIP v2 MIB RFC2096 IP Forwarding Table MIB (CIDR)  
RFC2620 RADIUS Accounting Client MIB Ping MIB Traceroute MIB  
D-Link Private MIB RFC768 UDP RFC783 TFTP RFC 791 IP RFC 793  
TCP RFC 826 ARP RFC854 Telnet RFC951, 1542 BootP RFC2068 HTTP  
RFC3056, 5214 IPv6 Tunnel RFC2138 RADIUS RFC2139 RADIUS  
Accounting RFC1492 TACACS RFC3176 sFlow RFC2598 DiffServ  
Expedited Forwarding

#### **Emissions**

FCC Class A CE Class A VCCI Class A IC C-Tick

#### **Safety**

CB cUL LVD

### **System**

#### **Management Capabilities**

Web-based GUI Command Line Interface (CLI) Telnet Server  
Telnet Client TFTP Client ZModem SNMP v1/v2c/v3 SNMP Trap  
System Log RMON v1: Supports 1,2,3,9 Groups RMON v2: Supports  
ProbeConfig Group sFlow LLDP/LLDP-MED BootP/DHCP Client DHCP  
Auto-Configuration DHCP Relay DHCP Relay Option 60, 61 DHCP  
Relay Option 82 DHCP Server Flash File System Multiple Images  
Multiple Configurations CPU Monitoring Debug Command SNMP  
ICMPv6 DHCPv6 Client DHCPv6 Relay DHCPv6 Server Trusted Host  
MTU Setting Microsoft NLB Support UDP helper 4

#### **Certifications**

IPv6 Ready Logo Phase 2

#### **Security**

SSH v2 SSL v1/v2/v3 Port Security up to 64 MAC addresses per  
port Broadcast/Multicast/Unicast Storm Control Traffic  
Segmentation IP-MAC-Port Binding: ARP Packet Inspection/IP  
Packet Inspection/DHCP Snooping/DHCPv6 and NDP Snooping/Supports  
up to 500 Address Binding Entries per device D-Link Safeguard  
Engine DHCP Server Screening CPU Interface Filtering ARP  
Spoofing Prevention BPDU Attack Protection

### **Electrical**

#### **Voltage/Power/Frequency**

100 to 240VAC / 50Hz



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**D-Link**

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### **Environmental**

Environmental

Operating Temperature 0 to 50C - Humidity 10 to 90%

### **Physical**

Case Colour

Black

Dimensions

44.1cm (W) x 31.0cm (D) x 4.4cm (H) - Weight 5.07kg



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### **About Memory Express**

Although we started out selling just Memory the best part of fifteen years ago, we have diversified organically over the years at the request of our customers. We specialise in Networking, Storage and Disaster Recovery and have the knowledge, experience and strategic partnerships to provide you with the service and value you demand - quality products, reasonably priced and delivered on time.

Memory Express can offer you a full range of installation and configuration services for hardware and software as well as detailed, accurate advice on all aspects of your IT projects. You'll be glad to know that we don't have a room full of school leavers trying to sell products they don't understand - all our staff are seasoned IT specialists and have an average length of service of over ten years. We won't just push you towards the solution we feel like selling; we'll help you to find the one you need.

Meanwhile, online, we offer one of the largest product ranges of any UK IT supplier. Showing near live stock, in depth product information and keen pricing, we're sure you'll find what you need. We also have matched memory upgrades for over 50,000 models of computer, server, printer, phone and camera, guaranteeing you the right memory, first time. All this is backed up by the same great service you'd expect when dealing with us over the phone. For our regular business customers, we provide T3, our corporate purchasing portal which provides a truly corporate focused buying experience.

We're conveniently located in Park Royal, London's Technology Business Park, allowing us to reach all areas of the UK quickly and efficiently. Many of our City based corporate clients benefit from same day delivery and we can offer next day delivery to established customers throughout the British Isles. Online delivery tracking and status information means that you need not worry about the whereabouts of your order.

We're proud to have built up a wide variety of partnerships with quality vendors and many of our staff hold certifications from top tier manufacturers including Microsoft, Acronis, Symantec and VMWare.

Our clients vary in size from SMEs to many of the UK's largest corporates, government departments, schools and universities, and we're pleased to say that most have been our customers for many, many years - we believe in long term business relationships, not turning a quick profit. Why not contact us now to see how we can help you get the quality of service they already enjoy?