Draytek VigorSwitch G2500 Fully Managed 50 Port Gigabit Switch



Product Name: Draytek VigorSwitch G2500 Fully Managed 50 Port Gigabit Switch
Manufacturer: -
Model Number: VSG2500-K

Please Note: This product has been discontinued. Please see the Draytek VigorSwitch G2540x.

Draytek VigorSwitch G2500 Fully Managed 50 Port Gigabit Switch
The Draytek VigorSwitch G2500 is a high-performance, fully managed Gigabit switch, with 44x Gigabit Ethernet ports, 4x GbE/SFP combo ports, 2x SFP ports, 1x console port and enterprise-level features that ensure reliability and simplified network management.
Draytek VigorSwitch P2500 Key Features

ï¿½ Designed for Centralised Management
ï¿½ IP Conflict Prevention
ï¿½ Voice VLAN & Surveillance VLAN
ï¿½ Energy-Efficient Ethernet

Designed for Centralised Management
Can be configured and monitored instantly through both the VigorACS cloud management platform and/or, a DrayTek Vigor router’s central switch management. Benefits: Saves time and money. Easily provision, monitor and manage remote sites without on-site IT or dedicated staff.
Security
DHCP Snooping: Limit DHCP server responses to only a specified port. IP Source Guard: Protects against address spoofing. Access Control List: Controls which packet types (IPv4, IPv6 & MAC) should pass between ports on the switch.
Energy-Efficient Ethernet
IEEE 802.3az compliant to reduce power consumption of ports during periods of inactivity and low link utilisation. Benefits: Reduces power consumption.
IP Conflict Prevention
Prevents IP conflicts caused by a misconfigured or malicious host and blocks illegal DHCP traffic. Benefits: Improves network stability and protects important servers from IP conflicts. Enables fast identification and exclusion of incorrectly configured devices.
Voice VLAN & Surveillance VLAN
Automatically assign VLANs and QoS configuration to devices with matching MAC address OUI upon connection to the switch. Benefits: Allows easy prioritisation of VoIP and IP Camera traffic and more control when implementing security policies.
Hardware Monitoring
It monitors and controls the switch’s temperature, voltages and fan status. Integrated email notification alerts for voltage anomalies or temperature alarms. Benefits: Prevents network failure. Ensures high availability.
Draytek VigorSwitch G2500 Technical Specifications
Physical Interfaces/Controls

ï¿½ 44 10/100/1000BaseT Ethernet Ports (RJ-45 IEEE 802.3/3u/ab)
ï¿½ 4 Selectable Ports (Nos. 45-48), use as either: 10/100/1000BaseT (Gigabit) Ethernet or SFP (802.3z
ï¿½ 2 SFP Ports (100mbps / 1gbps)
ï¿½ Console Port (RJ-45 physical, RS-232 electrical)

VLAN

Draytek VigorSwitch G2500 Fully Managed 50 Port Gigabit Switch

ï¿½ 802.1q Tag-based VLAN
ï¿½ Port-based and MAC-based VLANs
ï¿½ QinQ (Basic)
ï¿½ GVRP
ï¿½ Up to 4K VLANs (out of 4096 VLAN IDs)
ï¿½ 802.1v Protocol-Based VLAN
ï¿½ Voice VLAN (OUI Mode)
ï¿½ Surveillance VLAN (OUI Mode)
ï¿½ Protocol VLAN
ï¿½ MAC-based VLAN
ï¿½ Management VLAN

QoS

ï¿½ Support 8 priority queues
ï¿½ Port-Based rate control
ï¿½ Priority queue schedule (WRR or Strict Priority
ï¿½ Class of Service: 802.1p CoS SFP (802.3z) , DSCP, CoS-DSCP, IP Precedence (ToS)
ï¿½ Rate Limit

Network Security

ï¿½ Access Control Lists (ACL): Up to 512 ACL Entries, Source and destination MAC,VLAN ID, IPv4/v6 address, Protocol, TCP/UDP port
ï¿½ IP Source Guard
ï¿½ Storm Control (Broadcast, Unknown Multicast, Unknown Unicast)
ï¿½ DoS Attack protection
ï¿½ AAA Authentication
ï¿½ MAC Authentication
ï¿½ Protected Port / Port Isolation
ï¿½ Static Port Security
ï¿½ Dynamic ARP Inspection
ï¿½ DHCP Snooping with Option 82
ï¿½ Loop Detection & Prevention

Spanning Tree

ï¿½ Spanning Tree Protocol
ï¿½ Rapid Spanning Tree Protocol
ï¿½ Multiple Spanning Tree Protocol

Link Aggregation

ï¿½ Combine multiple ports to increase bandwidth
ï¿½ 16 Aggregation Groups
ï¿½ Up to 8 ports in each group
ï¿½ LACP or Static setup
ï¿½ Supports traffic load balancing

Networking Performance

ï¿½ Switching Capacity: 100Gbps

Draytek VigorSwitch G2500 Fully Managed 50 Port Gigabit Switch

ï¿½ Forwarding Rate: 74.4Mpps
ï¿½ MAC Addresses Supported: 16K
ï¿½ Jumbo Frames up to 12KB
ï¿½ Packet Buffer size: 12M

Multicast

ï¿½ Up to 256 multicast groups
ï¿½ IGMP Snooping V2/V3 (BISS)
ï¿½ IGMP V2/V3 Querier
ï¿½ MLD Snooping V1/V2
ï¿½ Multicast VLAN registration

AAA

ï¿½ 802.1x – Single / Multiple: Port based, Mac Based
ï¿½ Guest VLAN
ï¿½ RADIUS / TACACS+ Authentication for Management

Management

ï¿½ IPv4 & IPv6 Dual-Stack
ï¿½ LLDP(802.1ab) + MED
ï¿½ Web User Interface (HTTP or HTTPS)
ï¿½ Firmware Upgrade/Backup by HTTP/HTTPS
ï¿½ HTTP (Non-TLS) can be disabled for increased security
ï¿½ Configuration Backup/Restore
ï¿½ Factory Default
ï¿½ System Reboot
ï¿½ Dual Firmware Image (Active & Backup Firmware)
ï¿½ Command Line Interface (CLI) via SSH/Telnet
ï¿½ Console Port (RJ45) for CLI management
ï¿½ DrayTek Switch Management support via router (requires router firmware support)
ï¿½ VigorACS Compatible (TR-069)
ï¿½ SNMP v1, v2c, v3 (with Generic Traps)
ï¿½ RMON Groups 1, 2, 3, 9 (History, Statistics, Alarms, Events)
ï¿½ SNTP (Simple Network Time Protocol)

Diagnostics

ï¿½ Port Status & Usage display
ï¿½ PoE active display
ï¿½ CPU/RAM Usage display
ï¿½ Event Log via Syslog
ï¿½ Port Mirroring
ï¿½ Ping
ï¿½ Port-based Cable Test

Hardware Monitor

ï¿½ Remote Monitoring through VigorACS & Web Interface
ï¿½ Data Recording & Graphing
ï¿½ Temperature Monitoring

Draytek VigorSwitch G2500 Fully Managed 50 Port Gigabit Switch

ï¿½ Voltage Monitoring
ï¿½ Power Saving Mode

IPv4 Features

ï¿½ DHCP
ï¿½ DNS Client

IPv6 Features

ï¿½ Auto Configuration
ï¿½ Static IPv6 Address & Prefix Length
ï¿½ Static IPv6 Default Gateway
ï¿½ IPv6 Neighbour Discovery (ND)
ï¿½ IPv6 Duplicate Address Detection
ï¿½ ICMPv6
ï¿½ DHCPv6 Client

General IEEE Standards Compliance

ï¿½ 802.3 10Base-T
ï¿½ 802.3u 100Base-T
ï¿½ 802.3ab 1000Base-T
ï¿½ 802.3x Flow Control Capability
ï¿½ 802.3 Auto-negotiation
ï¿½ 802.1Q VLAN
ï¿½ 802.1p Class of Service
ï¿½ 802.1d Spanning Tree
ï¿½ 802.1w Rapid Spanning Tree
ï¿½ 802.1s Multiple Spanning Tree
ï¿½ 802.1x Port Based Network Access Control
ï¿½ 802.1ab Link Layer Discovery Protocol (LLDP)
ï¿½ 802.3ad Port trunk with LACP
ï¿½ 802.3az Energy Efficient Ethernet

Operating Requirements

ï¿½ Power Input Requirements: 220-240VAC
ï¿½ Power supply: Internal
ï¿½ Maximum Input Power Consumption: 453.3 Watts
ï¿½ Operating Temperature:~0 °C to ~45 °C
ï¿½ Storage Temperature:-20 °C to ~70 °C
ï¿½ Operating Humidity: 10% to 90% RH (non-condensing)

Physical Specifications

ï¿½ Dimensions: 441 x 270 x 45 mm (W x D x H)
ï¿½ Rack mountable: 1U
ï¿½ Brackets included for rack or wall mounting
ï¿½ Weight: 5Kg (excluding SFP modules/cables)

Draytek VigorSwitch G2500 Fully Managed 50 Port Gigabit Switch

Price: £408.00