# Draytek VigorSwitch P2500 Fully Managed 50 Port Gigabit Switch

Product Name: Draytek VigorSwitch P2500 Fully Managed 50 Port Gigabit Switch

Manufacturer: -

Model Number: VSP2500-K

Please Note: This product has been discontinued. Please see the Draytek VigorSwitch P2540x.

Draytek VigorSwitch P2500 Fully Managed 50 Port Gigabit Switch
The Draytek VigorSwitch P2500 is a high port density, high-performance, managed Gigabit Ethernet switch  with PoE+ that can be managed locally or centrally.
Draytek VigorSwitch P2500 Key Features

ï¿½ Designed for Centralised Management
ï¿½ 405W PoE Power Budget
ï¿½ Voice VLAN &amp; Surveillance VLAN
ï¿½ Energy-Efficient PoE

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 &amp;  MAC) should pass between ports on the switch
Hardware Monitoring
It monitors and controls the switch&rsquo;s temperature, voltages  and fan status. Integrated email notification alerts for voltage  anomalies, fan failure, temperature alarms, or PoE budget issues.  Benefits: Prevents network failure. Ensures high availability.
Voice VLAN &amp; 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.
405W PoE Power Budget
Provides ample power through Ethernet, to each of its 44 PoE /  PoE+ enabled Gigabit LAN ports.  Benefits: It can easily power a large number of IP cameras, IP  phones, wireless APs and other PoE devices.
 Draytek VigorSwitch P2500 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)

PoE Specification

ï¿½ 44-ports 802.3af &amp; 802.3at (High Power) PoE PSE
ï¿½ 405 Watts Total Power Budget for PoE
ï¿½ Auto Detection of Powered Device (PD) and Consumption Levels
ï¿½ Per Port PoE Status LED Indicators
ï¿½ Alert LED for high PoE Usage
ï¿½ Port Power Consumption Monitoring via Web Interface &amp; CLI
ï¿½ PoE PD Scheduling (per port)
ï¿½ PoE PD Priority (per port)

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ï¿½ PoE PD Status / Ping monitoring - restart PoE PD port on no  connectivity (per port)
ï¿½ Circuit Protection to Prevent Power Interference between Ports

VLAN

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 &amp; Prevention

Spanning Tree

ï¿½ Spanning Tree Protocol
ï¿½ Rapid Spanning Tree Protoco
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

## Draytek VigorSwitch P2500 Fully Managed 50 Port Gigabit Switch

Networking Performance

ï¿½ Switching Capacity: 100Gbps
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 &ndash; Single / Multiple: Port based, Mac Based
ï¿½ Guest VLAN
ï¿½ RADIUS / TACACS+ Authentication for Management

Management

ï¿½ IPv4 &amp; 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 &amp; 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 &amp; 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

## Draytek VigorSwitch P2500 Fully Managed 50 Port Gigabit Switch

ï¿½ Remote Monitoring through VigorACS &amp; Web Interface
ï¿½ Data Recording &amp; Graphing
ï¿½ Supports Email &amp; LED alert on Fan failure
ï¿½ Temperature Monitoring
ï¿½ Voltage Monitoring
ï¿½ Fan Control
ï¿½ Fan Test Mode
ï¿½ Power Saving Mode

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IPv4 Features

ï¿½ DHCP
ï¿½ DNS Client

IPv6 Features

ï¿½ Auto Configuration
ï¿½ Static IPv6 Address &amp; 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
ï¿½ 802.3af PoE

# Draytek VigorSwitch P2500 Fully Managed 50 Port Gigabit Switch

ï¿½ 802.3at PoE+

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 &deg;C to ~45 &deg;C
ï¿½ Storage Temperature:-20 &deg;C to ~70 &deg;C
ï¿½ Operating Humidity: 10% to 90% RH (non-condensing)

Physical Specifications

ï¿½ Dimensions: 441 x 330 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: 6.75Kg (excluding SFP modules/cables)

**Price: £612.50**