

## DrayTek VigorSwitch VSP2100-K 8+2 Port PoE Gigabit Switch - B-Stock



Product Name: DrayTek VigorSwitch VSP2100-K 8+2 Port PoE Gigabit Switch - B-Stock

Manufacturer: Draytek

Model Number: VSP2100-K-BStock

Please Note: This item MAY have slight imperfections such as open seals, marks, small damage or minor scratches to the packaging, but are fully functional and come with manufacturer's warranty.

Please Note: This product has limited availability. Please contact our sales team for more information.

DrayTek VigorSwitch VSP2100-K 8+2 Port POE Gigabit Switch-Clearance

The DrayTek VigorSwitch VSP2100-K is a high-performance, Layer 2+ Managed POE Ethernet switch. With 8 RJ-45 Gigabit LAN ports, it is ideal for adding network ports to a DrayTek Vigor router. The enterprise-level features allow businesses to improve network stability and security. The VigorSwitch P2100 is able to power your network devices via Power over Ethernet, with a generous 140 watt power budget to provide power to each of its 8 PoE / PoE+ enabled Gigabit LAN ports.

DrayTek VigorSwitch VSP2100-K Key Features

- 8 x RJ-45 Gigabit Ethernet Ports
- PoE+ on all RJ-45 ports
- 140-watt Power-over-Ethernet budget
- 2 x SFP Gigabit Ports for Uplink / Fibre
- Cloud Managed with VigorACS, or standalone operation
- ONVIF IP Camera Surveillance Management with Device Check
- 802.1q VLANs with Dynamic MAC-based, Voice & Surveillance VLAN
- VLAN Routing & Static Route with DHCP server / relay
- QoS for Application traffic prioritisation
- 802.1x RADIUS / TACACS+ Port Authentication with Accounting
- Access Control List (ACL) Port Security
- IPv4 and IPv6 Support with DrayTek's IP Conflict Prevention system
- Console Port Rack mountable with fittings included

The VigorSwitch P2100 works superbly in standalone mode, but designed for centralised management, it can be provisioned and monitored by one of DrayTek's central management platforms. These include the VigorACS management platform, VigorConnect on-site management and DrayTek's router-based switch management. These platforms allow you to drastically reduce the setup time required for a complex network and configure an entire DrayTek network remotely.

DrayTek VigorSwitch VSP2100-K Technical Specifications

Physical Interfaces:

- 8 RJ-45 Ethernet Ports – 10/100/1000Mbps
- 2 SFP Ports – 1000Mbps
- Console Port (RJ-45 physical, RS-232 electrical)
- Factory Reset Button

PoE Specification (VigorSwitch P2100 only)

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- 8 Power over Ethernet LAN ports - PoE PSE Mode A
- IEEE 802.3af PoE & 802.3at PoE+ (High Power) compliant
- 140 Watts Total Power Budget for PoE
- Up to 30 watts per port
- Auto Detection of Powered Device (PD) and Consumption Levels
- Per Port PoE Status LED Indicators
- Alert LED and Mail Alert for high PoE Usage
- Port Power Consumption Monitoring via Web Interface & CLI
- Circuit Protection to Prevent Power Interference between Ports
- PoE PD Monitoring & Maintenance Features (per port)
- Scheduling -PoE PD Priority- Restart PoE PD if not responding to ping- Restart PoE IP Camera if not providing camera output

### VLAN:

- 802.1q Tag-based VLAN
- Port-based and MAC-based VLANs
- QinQ (Basic)
- GVRP - General VLAN Registration Protocol
- Up to 256 VLANs (out of 4096 VLAN IDs)
- 802.1v Protocol-Based VLAN
- Voice VLAN (OUI Mode)
- Surveillance VLAN (OUI Mode)
- Protocol VLAN
- MAC-based VLAN
- Management VLAN
- Port Isolation

### QoS

- Support 8 priority queues
- Port-Based rate control (Ingress & Egress)
- Priority queue schedule (WRR or Strict Priority)
- Rate Limit
- Class of Service - 802.1p CoS - DSCP - CoS-DSCP - IP Precedence ToS

### Network Security

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

### Spanning Tree

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- Spanning Tree Protocol (STP)
- Rapid Spanning Tree Protocol (RSTP)
- Multiple Spanning Tree Protocol (MSTP)

### Link Aggregation

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

### Networking Performance

- Switching Capacity: 20Gbps
- Forwarding Rate: 14.88Mpps (64 bytes)
- Jumbo Frames up to 9KB
- Packet Buffer size: 4.1Mbit

### Multicast

- Up to 256 multicast groups
- Multicast Group Filtering / Throttling
- IGMP Snooping V2/V3 (BISS)
- IGMP V2/V3 Querier
- Multicast VLAN registration
- MLD Snooping V1/V2 - Immediate Leave - Report Suppression - IGMP/MLD Querier

### AAA (Authentication, Authorisation, Accounting)

- RADIUS / TACACS+ Authentication for Management
- Multiple AAA Server
- MAC / Inaccessible Authentication bypass
- RADIUS Authentication 802.1X - Accounting - Guest VLAN
- Port based Authorisation - 802.1X Single/Multi- MAC-based - Web-based
- Attribute Assignment - User Privilege - VLAN
- TACACS+ Authentication - Port Authorisation - Accounting

### ONVIF Surveillance Management

- Discovery of ONVIF-compliant IP Cameras
- Surveillance Topology
- Real-Time Video Streaming
- ONVIF Device Maintenance- Device Information- Network Settings Configuration - Time Settings - Reboot - Reset to Factory Default Settings - Ping Check with Mail Alert on disconnection

### Management:

- Central Management - VigorACS - VigorConnect - Vigor Router Switch Management (requires router firmware support)
- IPv4 & IPv6 Dual-Stack

## DrayTek VigorSwitch VSP2100-K 8+2 Port PoE Gigabit Switch - B-Stock

- LLDP(802.1ab) + MED
- Web User Interface (HTTP or HTTPS)
- Firmware Upgrade/Backup by HTTP/HTTPS
- HTTP (Non-TLS) can be disabled for increased security
- Configuration Backup/Restore
- Factory Default
- System Reboot
- Command Line Interface (CLI) via SSH/Telnet
- Console Port (RJ45) for CLI management
- OpenVPN Client with Certificate-based auth
- SNMP v1, v2c, v3 (with Generic Traps)
- RMON Groups 1, 2, 3, 9 (History, Statistics, Alarms, Events)
- SNTP (Simple Network Time Protocol)

### Diagnostics:

- Port Status & Usage display
- CPU/RAM Usage display
- MAC Address Table
- Device Check
- Syslog
- Mail Alert - Port Status - Port Speed Change - System Restart - Device Check - IP Conflict - ONVIF IP Camera Snapshot
- Port Mirroring
- Ping Diagnostics
- Port-based Cable Test

### Layer 3 networking features

- Static Route
- VLAN Routing
- DHCP Server (from firmware 2.6.8)

### IPv4 features

- DHCP Client
- DNS Client
- DHCP Server (from firmware 2.6.8) - Up to 8 subnets - Option 82, 66, 67 - DHCP Relay - DHCP Snooping - DHCP IP Source Guard

### IPv6 Features

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

## DrayTek VigorSwitch VSP2100-K 8+2 Port PoE Gigabit Switch - B-Stock

### General IEEE Standards Compliance

IEEE 802.3af PoE  
IEEE 802.3at PoE+  
IEEE 802.3 10Base-T  
IEEE 802.3u 100Base-T  
IEEE 802.3ab 1000Base-T  
IEEE 802.3x Flow Control  
IEEE 802.3 Auto-Negotiation  
IEEE 802.1q Tag-based VLAN  
IEEE 802.1p Class of Service  
IEEE 802.1d STP  
IEEE 802.1w RSTP  
IEEE 802.1s MSTP  
IEEE 802.3ad LACP  
IEEE 802.1ad QinQ  
IEEE 802.1x Port Access Control  
IEEE 802.1AB LLDP  
IEEE 802.3az EEE

### Operating Requirements

IEEE Power Input Requirements: 100-240VAC  
IEEE Power supply: Internal  
IEEE Maximum Input Power Consumption- VigorSwitch G2100: 18 Watts - VigorSwitch P2100: 164.3 Watts  
IEEE Cooling: Passively cooled  
IEEE Operating Temperature: 0 °C to 50 °C  
IEEE Storage Temperature: -20 °C to 70 °C  
IEEE Operating Humidity: 5% to 90% RH (non-condensing)

### Physical Specifications:

IEEE Rack mountable: 1U  
IEEE Dimensions: - VigorSwitch G2100: 270 x 181 x 44 mm (W x D x H) - VigorSwitch P2100: 319 x 208 x 44 mm (W x D x H)  
IEEE Weight: - VigorSwitch G2100: 1.78 kg (3lb) - VigorSwitch P2100: 2.61kg (5lb)

### Box Contents:

IEEE VigorSwitch P2100 Network Switch  
IEEE UK IEC13 Power Cable  
IEEE 1U Rack Mount Fittings  
IEEE Quick Start Guide

## DrayTek VigorSwitch VSP2100-K 8+2 Port PoE Gigabit Switch - B-Stock

**Price: £168.00**

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