

## DrayTek VigorSwitch VSP2121-K 8 Port Gigabit Switch



Product Name: DrayTek VigorSwitch VSP2121-K 8 Port Gigabit Switch

Manufacturer: -

Model Number: VSP2121-K

Please Note: This product has been discontinued. Please see the Draytek VigorSwitch VSP2100-K.

DrayTek VigorSwitch VSP2121-K 8 Port Gigabit Switch

The DrayTek VigorSwitch VSP2121-K is an 8 port Gigabit switch featuring Draytek's own operating system. It has advanced features such as IPv4 and IPv6 support as well as features for Quality of Service (QoS), VLANs and network/switch.

DrayTek VigorSwitch VSP2121-K Key Features

• 8+4 Port Gigabit Managed Switch:

• 8 x RJ-45 Ethernet Ports with PoE+

• 4 x Combo RJ-45 or SFP (Fibre Module) Ports

• PoE (Power-over-Ethernet) for IP phones, wireless access points, IP Cameras etc.

• Fanless for silent operation with generous 140w PoE Power budget

• 802.3af (PoE) and 802.3at (High Power PoE)

• 802.1q VLANs (Tag, Port & MAC-based)

• Access Control List (ACL)

• Secure Networking with 802.1x Port Security, IP Source Guard and DHCP Snooping

• QoS for Application traffic prioritisation

• Voice & IP Camera VLANs for auto QoS prioritisation via MAC address OUI

• Port Mirroring & Link Aggregation

• IGMP Snooping/Querier and IPv6 MLD Snooping

• IPv4 and IPv6 Support

• Centrally managed or standalone operation

• Console Port for CLI configuration

• Desktop, Wall or Rack mountable

DrayTek VigorSwitch VSP2121-K Technical Specifications

Physical Interfaces:

• 8 10/100/1000BaseT Ethernet Ports (RJ-45 IEEE 802.3/3u/ab)

• 4 Selectable Ports (Nos. 9-12), use as either:

• 10/100/1000BaseT (Gigabit) Ethernet

• SFP (802.3z)

• Console Port (RJ-45 physical, RS-232 electrical)

PoE Specification

• 8-ports 802.3af & 802.3at (High Power) PoE PSE

• 140 Watts Total Power Budget for PoE

• Auto Detection of Powered Device (PD) and Consumption Levels

## DrayTek VigorSwitch VSP2121-K 8 Port Gigabit Switch

- PoE Status LED Indicators
- Supports per Port Power Consumption Monitoring
- PoE PD Scheduling (per port)
- PoE PD Priority (per port)
- PoE PD Status / Ping monitoring - restart PoE PD port on no connectivity (per port)
- Circuit Protection to Prevent Power Interference between Ports

### VLAN:

- 802.1q Tag-based VLAN
- Port-based and MAC-based VLANs
- QinQ (Basic)
- GVRP (General VLAN Registration Protocol)
- Up to 4K 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

### QoS

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

### Network Security

- Access Control Lists (ACL)

- Source and destination MAC
- VLAN ID
- IPv4/v6 address
- Protocol
- TCP/UDP port
- Up to 512 entries

- IP Source Guard
- 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

### Link Aggregation

## DrayTek VigorSwitch VSP2121-K 8 Port Gigabit Switch

- 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: 24Gbps
- Forwarding Rate: 17.8Mpps
- MAC Addresses Supported: 8K
- Jumbo Frames up to 9KB

### Multicast

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

### AAA

- 802.1x - Single / Multiple

- Port based
- Mac Based

### • Guest VLAN

- External AAA server using RADIUS / TACACS

### Management

- IPv4 & IPv6 Dual-Stack
- 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
- Dual Firmware Image (Active & Backup Firmware)
- Command Line Interface (CLI) via SSH/Telnet
- Console Port (RJ45) for CLI management
- DrayTek Switch Management support via router (requires router firmware support)
- VigorACS Compatible (TR-069)
- SNMP v1, v2c, v3 (with Generic Traps)
- RMON Groups 1, 2, 3, 9 (History, Statistics, Alarms, Events)

### Diagnostics

## DrayTek VigorSwitch VSP2121-K 8 Port Gigabit Switch

- 1/2 Port Status & Usage display
- 1/2 PoE active display
- 1/2 CPU/RAM Usage display
- 1/2 Event Log
- 1/2 Port Mirroring
- 1/2 Ping
- 1/2 Port-based cable test

### General IEEE Standards Compliance:

- 1/2 802.3 10Base-T
- 1/2 802.3u 100Base-T
- 1/2 802.3ab 1000Base-T
- 1/2 802.3x Flow Control Capability
- 1/2 802.3 Auto-negotiation
- 1/2 802.1Q VLAN
- 1/2 802.1p Class of Service
- 1/2 802.1d Spanning Tree
- 1/2 802.1w Rapid Spanning Tree
- 1/2 802.1s Multiple Spanning Tree
- 1/2 802.1x Port Based Network Access Control
- 1/2 802.1ab Link Layer Discovery Protocol (LLDP)
- 1/2 802.3ad Port trunk with LACP
- 1/2 802.3az Energy Efficient Ethernet
- 1/2 802.3af PoE
- 1/2 802.3at PoE+

### Operating Requirements:

- 1/2 Power Input Requirements: 220-240VAC
- 1/2 Power supply: Internal
- 1/2 Maximum Input Power Consumption: 164 Watts
- 1/2 Operating Temperature: ~0&deg;C to ~40&deg;C
- 1/2 Storage Temperature: -20&deg;C to ~70&deg;C
- 1/2 Operating Humidity: 10% to 90% RH (non-condensing)

### Physical Specifications:

- 1/2 Dimensions (W x D x H): 330 x 230 x 44 mm
- 1/2 Weight: 2.43Kg (excluding SFP modules/cables)
- 1/2 Brackets included for rack or wall mounting
- 1/2 Rack mountable: 1U

ROHS & CE Compliant

**Price: £192.00**