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 Gigbit 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

ï¿½ 8+4 Port Gigabit Managed Switch:

ï¿½ 8 x RJ-45 Ethernet Ports with PoE+
ï¿½ 4 x Combo RJ-45 or SFP (Fibre Module) Ports

ï¿½ PoE (Power-over-Ethernet) for IP phones, wireless access points, IP Cameras etc.
ï¿½ Fanless for silent operation with generous 140w PoE Power budget
ï¿½ 802.3af (PoE) and 802.3at (High Power PoE)
ï¿½ 802.1q VLANs (Tag, Port & MAC-based)
ï¿½ Access Control List (ACL)
ï¿½ Secure Networking with 802.1x Port Security, IP Source Guard and DHCP Snooping
ï¿½ QoS for Application traffic prioritisation
ï¿½ Voice & IP Camera VLANs for auto QoS prioritisation via MAC address OUI
ï¿½ Port Mirroring & Link Aggregation
ï¿½ IGMP Snooping/Querier and IPv6 MLD Snooping
ï¿½ IPv4 and IPv6 Support
ï¿½ Centrally managed or standalone operation
ï¿½ Console Port for CLI configuration
ï¿½ Desktop, Wall or Rack mountable

DrayTek VigorSwitch VSP2121-K Technical Specifications

Physical Interfaces:

ï¿½ 8 10/100/1000BaseT Ethernet Ports (RJ-45 IEEE 802.3/3u/ab)
ï¿½ 4 Selectable Ports (Nos. 9-12), use as either:

ï¿½ 10/100/1000BaseT (Gigabit) Ethernet
ï¿½ SFP (802.3z)

ï¿½ Console Port (RJ-45 physical, RS-232 electrical)

PoE Specification

ï¿½ 8-ports 802.3af & 802.3at (High Power) PoE PSE
ï¿½ 140 Watts Total Power Budget for PoE
ï¿½ Auto Detection of Powered Device (PD) and Consumption Levels

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ï¿½ PoE Status LED Indicators
ï¿½ Supports per Port Power Consumption Monitoring
ï¿½ PoE PD Scheduling (per port)
ï¿½ PoE PD Priority (per port)
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 (General VLAN Registration Protocol)
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
ï¿½ 802.1p CoS
ï¿½ DSCP
ï¿½ CoS-DSCP
ï¿½ IP Precedence ToS

Network Security

ï¿½ Access Control Lists (ACL)

ï¿½ Source and destination MAC
ï¿½ VLAN ID
ï¿½ IPv4/v6 address
ï¿½ Protocol
ï¿½ TCP/UDP port
ï¿½ Up to 512 entries

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

Link Aggregation

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ï¿½ Combine multiple ports to increase bandwidth
ï¿½ 8 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: 24Gbps
ï¿½ Forwarding Rate: 17.8Mpps
ï¿½ MAC Addresses Supported: 8K
ï¿½ Jumbo Frames up to 9KB

Multicast

ï¿½ Up to 256 multicast groups
ï¿½ IGMP Snooping V2/V3 (BISS)
ï¿½ IGMP V2/V3 Querier
ï¿½ Filtering / Throttling
ï¿½ MLD Snooping V1/V2
ï¿½ Immediate Leave
ï¿½ Multicase VLAN registration

AAA

ï¿½ 802.1x - Single / Multiple

ï¿½ Port based
ï¿½ Mac Based

ï¿½ Guest VLAN
ï¿½ External AAA server using RADIUS / TACACS

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)

Diagnostics

DrayTek VigorSwitch VSP2121-K 8 Port Gigabit Switch

ï¿½ Port Status & Usage display
ï¿½ PoE active display
ï¿½ CPU/RAM Usage display
ï¿½ Event Log
ï¿½ Port Mirroring
ï¿½ Ping
ï¿½ Port-based cable test

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
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: 164 Watts
ï¿½ Operating Temperature: ~0°C to ~40°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 (W x D x H): 330 x 230 x 44 mm
ï¿½ Weight: 2.43Kg (excluding SFP modules/cables)
ï¿½ Brackets included for rack or wall mounting
ï¿½ Rack mountable: 1U

ROHS & CE Compliant

Price: $254.96