

DrayTek VigorSwitch P2280 PoE Gigabit Switch



Product Name: DrayTek VigorSwitch P2280 PoE Gigabit Switch

Manufacturer: -

Model Number: VSP2280-K

Please Note: This product has been discontinued. Please see the VSP2280X-K for an alternative.

DrayTek VigorSwitch P2280 PoE Gigabit Switch

The DrayTek VigorSwitch P2280 is designed for SMB business network that runs various network applications. The 24 PoE+ Ethernet ports are perfect for a network with wireless AP, IP phones, and IP surveillance. The VigorSwitch P2280 also provides the auto Voice VLAN and QoS feature to help improve the VoIP call quality on the network. DrayTek VigorSwitch P2280 Key Features

- 24 Gigabit PoE+ capable ports
- 4 combo Gigabit SFP/RJ-45 ports
- 340-watt PoE power budget
- PoE Scheduling
- QoS with 8 priority queues and rate limiting
- Dual-stack IPv4/IPv6 support

LAN Management The VigorSwitch P2280 offers features that help to build a secure business network, such as VLAN, Port Isolation, Storm Control, and DoS Defense. Voice VLAN The Voice VLAN feature allows the VigorSwitch P2280 to automatically identify the traffic from a VoIP device, and assign their source port to a separate VLAN. This allows the switch to efficiently give VoIP traffic a higher priority over others, therefore ensuring the best call quality.

DrayTek VigorSwitch P2280 - Technical Specifications

Standard Compliance

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

IP Version

- IPv4
- IPv6

QoS

- Support 8 Queues
- Rate Limit

- Port-based (Ingress/Egress)

DrayTek VigorSwitch P2280 PoE Gigabit Switch

1/2 Queue Setting:

1/2 WRR

1/2 Strict Priority

1/2 Class of Service:

1/2 802.1p CoS

1/2 DSCP

1/2 CoS-DSCP

1/2 IP Precedence

Security

1/2 Storm Control:

1/2 Broadcast, Unknown Multicast, Unknown Unicast

1/2 DoS Defend

1/2 Protected Port

1/2 Access Control List:

1/2 MAC/IPv4/IPv6

1/2 Port Security

1/2 IP Source Guard and ARP Inspection

1/2 DHCP Snooping with Option 82

Multicast

1/2 Up to 256 Multicast Groups:

1/2 Multicast Group Filtering/Throttling

1/2 IGMP Snooping v2/v3 (BISS)

1/2 MLD Snooping v1/v2(Basic):

1/2 IGMP/MLD Querier

1/2 Immediate Leave Multicast VLAN Registration

Link Aggregation

1/2 Support 8 Link Aggregation Groups with Static & LACP types:

1/2 Up to 8 Ports for Each Group

1/2 Support Traffic Load Balancing

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VLAN

• IEEE 802.3Q VLAN

• Tag-based

• Port-based

• QinQ (Basic) General VLAN Registration Protocol

• Supports Following Types of VLANs:

• Voice VLAN (OUI Mode)

• Surveillance VLAN (OUI Mode)

• Protocol VLAN

• MAC-based VLAN

• Management VLAN

PoE

• PoE Mode: Switch allocates sufficient power the PoE PD asked for, and dynamically distribute power to all devices.

• Status: Status includes class and consumed power by PDs.

• Scheduling: Support scheduling rules, applying multiple ports.

• Power Limit: Supports customising maximum supplying power per port.

Environmental / Physical

• Power Voltage:

• Voltage: 100 ~ 240VAC

• PoE Power Budget: 340 Watts

• Temperature:

• Operating: 0 ~ 40 degrees celsius

• Storage: -20 ~ 70 degrees celsius

• Humidity :

• Operating: 10 to 90 RH (Non-condensing)

• Storage: 5 to 90 RH (Non-condensing)

• Dimension: 45(H) x 441(W) x 270(D) mm

Management

• Multiple User Account

• Two-level Security (Admin/User)

• HTTP(s) Web User Interface

• Simple Network Time Protocol

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• Link Layer Discovery Protocol

• LLDP-MED, Media Endpoint Discovery Extension

• Simple Network Management Protocol v1/v2c/v3

• Support Generic Traps

• Command Line Interface (CLI) via Telnet/SSH

• DrayTek Switch Management

AAA

• 802.1x – Single/Multiple

• Port-based

• MAC-Based

• Guest VLAN External AAA server using RADIUS

Diagnostics

• CPU/RAM/Port Utilisation

• Syslog

• Violate/Non-Violate Memory

• External Server

• Port Mirroring

• Ping

• Port-based Cable Test

Hardware Interface

• 24 x 10/100/1000Mbps Giga Ethernet with PoE+ PSE, RJ-45 (Each Port can Support Both IEEE 802.3af / 802.3at Mode)

• 4 x GbE Combo Ports, RJ45 + SFP

• 1 x Factory Reset Button

• 1 x Console Port, RJ45

Price: £344.30