

VigorSwitch P2280

PoE L2 Managed Gigabit Switch



- 24 Gigabit PoE+ capable ports
- 4 combo Gigabit SFP/RJ-45 ports
- 340-watt PoE power budget
- PoE Scheduling
- Port-based & 802.1Q tag-based VLAN
- Auto Voice VLAN for easy VoIP deployment and best call quality
- QoS with 8 priority queues and rate limiting
- Dual-stack IPv4/IPv6 support
- Compliant with Switch Management of Vigor Router

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. VigorSwitch P2280 provides the auto Voice VLAN and QoS feature help to improve the VoIP call quality on the network. All the ports of VigorSwitch P2280 are capable of gigabit speeds, Link Aggregation can be set up to increase the throughput even more and build a more reliable network.

LAN Management

VigorSwitch P2280 offers features that help to build a secure business network, such as VLAN, Port Isolation, Storm Control, and DoS Defense. While allowing visitors to connect to the network for Internet access, these features help to block the visitors' access to business network resources and protect the network from being exhausted by malicious traffic.

Voice VLAN to improve call quality

The Voice VLAN feature allows 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, thus to ensure the best call quality.

Speed up the network by Link Aggregation

If cascading more switches are required, link aggregation will provide the network higher throughput and link redundancy. VigorSwitch P2280 supports link aggregation by both static configuration and LACP (Link Aggregation Control Protocol), up to 8 Link Aggregation Group can be set up on VigorSwitch P2280, and each of the group can have up to 8 port members.

24 PoE+ Capable Ports

All the 24 Ethernet ports of VigorSwitch P2280 are compatible with 802.3at and 802.3af standard, provide up to 30W per port to network devices such as wireless access points, IP phones, and IP surveillance. This reduces the need for power cables and adapters, which lowers the cost of installation, as well as offers the flexibility to install those devices, not being limited by where the power outlets are.

The VigorSwitch P2280 helps you build a green networking by offering power-saving features, such as IEEE 802.3az (Energy-Efficient Ethernet), which allows the switch to dynamically adjust the power on each port according to the client activity and cable length, and PoE Scheduling allows you to schedule a power on/off on selected ports, to turn off the devices that are not in use and save electricity.

Easy Setup & Monitoring

VigorSwitch P2280 has adopted a brand-new interface design which will make configuration and management much easier. The new dashboard shows the status of the system and each of LAN ports at a glance. Furthermore, the responsive web design allows Network Administrator to monitor the switch effortlessly via all kinds of devices.

VigorSwitch P2280 is compliant with Central Management feature of Vigor Router. It can be managed through the Vigor Router's management page, this allows Network Administrator to configure, monitor, and maintain all the switches on the network easily from one single portal.



IP Version

- IPv4
- IPv6

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

QoS

- Support 8 Queues
- Rate Limit
 - Port-based (Ingress/Egress)
- Queue Setting
 - WRR
 - Strict Priority
- Class of Service
 - 802.1p CoS
 - DSCP
 - CoS-DSCP
 - IP Precedence

Security

- Storm Control
 - Broadcast, Unknown Multicast, Unknown Unicast
- DoS Defend
- Protected Port
- Access Control List
 - MAC/IPv4/IPv6
- Port Security
- IP Source Guard and ARP Inspection
- DHCP Snooping with Option 82

Multicast

- Up to 256 Multicast Groups
 - Multicast Group Filtering/Throttling
- IGMP Snooping v2/v3 (BISS)
- MLD Snooping v1/v2(Basic)
 - IGMP/MLD Querier
 - Immediate Leave
- Multicast VLAN Registration

Link Aggregation

- Support 8 Link Aggregation Groups with Static & LACP types
- Up to 8 Ports for Each Group
- Support Traffic Load Balancing

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 customizing maximum supplying power per port.

Environmental / Physical

- Power
 - Voltage: 100 ~ 240VAC
 - PoE Power Budget: 340 Watt
- Temperature
 - Operating: 0 ~ 40°C
 - Storage: -20 ~ 70°C
- 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
- 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 Utilization
- 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

