DrayTek

- 24 x Gigabit capable ports & 4 x 10G SFP+ ports
- 24 x Gigabit PoE+ capable ports with PoE power budget up to 400 watts (P2280x)
- VLAN configuration based on 802.1q tag, MAC address, and protocol
- Auto Voice VLAN and Auto Surveillance VLAN to optimize call and video quality
- Secure Local Network by 802.1x Port Security, ACL, IP Source Guard and DHCP Snooping
- Authentication by local database, multiple RADIUS, and TACACS+ servers
- Support SNMP v1/v2c/v3, RMON, and Syslog for network monitoring
- Compliant with Switch Management of Vigor Router and VigorACS
- Support IPv6 with MLD Snooping, IPv6 ACL, and IPv6 DNS Resolver
- IEEE 802.3az (Energy-Efficient Ethernet) Compliant

VigorSwitch G2280x/P2280x are Layer 2+ Managed Gigabit switch for SMB business network. They have 24 Gigabit Ethernet ports, 4 additional dedicated SFP+ for 10G Fiber links, and enterprise-level features to help businesses to improve network security and stability.

Vlan Options

VigorSwitch G2280x/P2280x can have VLAN based on 802.1q tags, protocols, and MAC addresses. They also provide Voice VLAN and Surveillance VLAN to identify the traffic from an IP phone or an IP camera automatically. And it is capable of GVRP.

Network Security

VigorSwitch G2280x/P2280x offer security features to prevent the local network being overloaded by superfluous traffic, including Storm Control and DoS Attack Prevention. And they help to avoid IP conflicts on the network by including IP Source Guard, ARP inspection, DHCP Snooping.

Quality of Service

To prioritize the critical traffic, VigorSwitch G2280x/P2280x support traffic classifying by 802.1p CoS, DSCP, and IP Precedence. They are especially ideal for a network which is going to deploy IP cameras and IP phones, with Auto Voice VLAN and Auto Surveillance VLAN feature, call and video traffic can be identified automatically.

Link Aggregation

VigorSwitch G2280x/P2280x support link aggregation by both static configuration and LACP (Link Aggregation Control Protocol), up to 8 Link Aggregation Groups can be set up and each of the group can have up to 8 ports members.

24 PoE+ Capable Ports (P2280x)

All the 24 Ethernet ports of VigorSwitch P2280x 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.

Central Management Of Vigor Router

VigorSwitch G2280x/P2280x are compliant with Central Management feature of Vigor Router, this allows the network administrator to configure, monitor, and maintain all the switches on the network easily from one single portal.

Direct Attach Cables (Optional)

Model	Connector	Cable Length
DAC-CX10-1m	SFP or SFP+	1m
DAC-CX10-3m	SFP or SFP+	3m

General

- MAC Address Table up to 16K
- SRAM Packet Buffer 12Mbit
- Support Jumbo Frame 12KB
- Switching Capacity 128Gbps

Standard Compliance

- 802.3 10Base-T
- 802.3u 100Base-T
- 802.3ab 1000Base-TX
- 802.3ae 10GBase-X
- 802.3x Flow Control Capability
- 802.3 Auto-negotiation
- 802.3ad Port trunk with LACP
- 802.3az Energy Efficient Ethernet
- 802.1p/q Class of Service
- 802.1d Spanning Tree
- 802.1w Rapid Spanning Tree
- 802.1s Multiple Spanning Tree
- 802.1x Port Based Network Access Control
- 802.1ab Link Layer Discovery Protocol (LLDP)
- 802.3ad QinQ
- 802.3af/802.3at (P2280x)

IP Version

- IPv4 / IPv6

VLAN

- IEEE802.1q Tag-base VLAN
- QinQ (Basic)
- General VLAN Registration Protocol
- Supports Following Types of VLANs
  - Voice VLAN (OUI Mode)
  - Surveillance VLAN (OUI Mode)
  - Protocol/MAC-based/Management VLAN
  - Port Isolation

QoS

- Support 8 Queues
- Class of Service
  - 802.1p CoS
  - DSCP
  - CoS-DSCP
  - IP Precedence
- Priority Queue Schedule
  - Weighted Round-Robin (WRR)
  - Strict Priority
- Rate Limit
  - Port-based (Ingress/Egress)
- Storm Control
  - Broadcast
  - Unknown Multicast
  - Unknown Unicast

Security

- DoS Defend
- Port Isolation (Protected Port)
- Access Control List
  - MAC/IPv4/IPv6
- Port Security
- IP Source Guard and ARP Inspection
- DHCP Snooping with Option 82
- Loop Protection

PoE (P2280x)

- PoE Mode: Switch allocates sufficient power the PoE PD asked for, and dynamically distribute power to all devices.
- Status:
  - Current Used/Priority/Port Status
- Support per port PoE scheduling to turn on/off the PDs
- Auto-Checking
  - Check the link status of PDs
  - Reboot PDs if there is no response

Link Aggregation

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

Diagnostics

- CPU/RAM/Port Utilization
- Port-based Cable Test
- Syslog
  - Volatile/Non-Volatile Memory
  - External Server
  - Mail
- Port Mirroring
- Ping

Network Function

- DHCP Server *
  - Relay
  - Snooping
  - IP Source Guard
  - Option 82,66,67
- Route
  - Static
  - VLAN Route
- Virtual Router Redundancy Protocol (VRRP) *

Management

- Virtual Stacking (Single IP Management) *
- ONVIF
- Access Manager
  - HTTP/HTTPs
  - Telnet
  - SSH
- OpenVPN
- sFlow
- Multiple User Account
  - Two-Level Security (Admin/User)
- HTTP(s) Web User Interface
- HTTP(s)/TFTP Upgrade/Backup of
  - Firmware
  - Configuration
- Dual Image
- Running/Startup/Backup Configuration
- Simple Network Time Protocol
- Link Layer Discovery Protocol
  - LLDP-MED, Media Endpoint Discovery Extension
- DrayTek Switch Management
- Command Line Interface (CLI) via Telnet/SSH
  - Telnet Timeout
- Simple Network Management Protocl v1/v2c/v3

Multicast

- Up to 256 Multicast Groups
- IGMP Snooping v2/v3 (BISS)
- MLD Snooping v1/v2 (BISS)
- Multicast VLAN Registration

Hardware Interface

- 24 x 10/100/1000Mbps Giga Ethernet, RJ-45 (G2280x)
- 24 x 10/100/1000Mbps Giga Ethernet with PoE+ PSE, RJ-45 (P2280x)
- 4 x 1000Mb/10Gb Ports, SFP+
- 1 x Factory Reset Button
- 1 x Console Port, RJ45

Environmental / Physical

- Temperature
  - Operating: 0 ~ 45°C
  - Storage: -20 ~ 70°C
- Humidity
  - Operating: 10 to 90% RH (Non-condensing)
  - Storage: 5 to 90% RH (Non-condensing)
- Dimension:
  - 44(H) x 441(W) x 270(D) mm (P2280x)
  - 44(H) x 441(W) x 196(D) mm (G2280x)

*Firmware Upgradeable

CONSOLE port   Gigabit LAN ports   SFP+ ports

DrayTek
www.draytek.com