DrayTek

VigorSwitch P2500/G2500

L2 Managed Gigabit Switch

- 44 Gigabit capable ports, 4 combo Gigabit SFP/RJ-45 ports & 2 SFP Ports
- PoE power budget up to 405 watts (P2500)
- 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
- Support IPv6 with MLD Snooping, IPv6 ACL, and IPv6 DNS Resolver
- Authentication by local database, multiple RADIUS, and TACACS+ servers
- IEEE 802.3az (Energy-Efficient Ethernet) Compliant
- Support SNMP v1/v2c/v3, RMON, and Syslog for network monitoring
- Compliant with Switch Management of Vigor Router

VigorSwitch P2500/G2500 are designed for SMB business network that runs various network applications. They provide the auto Voice VLAN and QoS feature help to improve the VoIP call quality on the network. All the ports of VigorSwitch P2500/G2500 are capable of gigabit speeds, Link Aggregation can be set up to increase the throughput even more and build a more reliable network.

VLAN OPTIONS

VigorSwitch P2500/G2500 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, without the need of specifying each of their MAC address. And it is capable of GVRP.

NETWORK SECURITY

VigorSwitch P2500/G2500 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. You can also add Access Control List to filter MAC, VLAN ID, IP, and protocols.

QUALITY OF SERVICE

To prioritize the critical traffic, VigorSwitch P2500/G2500 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 and be assigned the desired class easily.

LINK AGGREGATION

VigorSwitch P2500/G2500 support link aggregation by both static configuration and LACP (Link Aggregation Control Protocol), up to 16 Link Aggregation Group can be set up and each of the group can have up to 8 port members.

44 PoE+ CAPABLE PORTS (P2500)

All the 44 Ethernet ports of VigorSwitch P2500 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 P2500/G2500 are compliant with Central Management feature of Vigor Router, which means it can be managed through the Vigor Router's management page, this allows the 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-TX
- IEEE 802.3x Flow Control Capability
- ANSI/IEEE 802.3 Auto-negotiation
- IEEE 802.3ad Port trunk with LACP
- IEEE 802.1q VLAN
- IEEE 802.1p Class of Service
- IEEE 802.1d Spanning Tree
- IEEE 802.1w Rapid Spanning Tree
- IEEE 802.1s Multiple Spanning Tree
- IEEE 802.1x Port Based Network Access Control
- IEEE 802.1ab Link Layer Discovery Protocol (LLDP)
- IEEE 802.3az Energy Efficient Ethernet
- IEEE 802.3af/IEEE 802.3at (P2500)

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

Network
- Up to 16K MAC Address Table
  · Dynamic/Static Address
- Support Jumbo Frame 12KBytes
- Packet Buffer Size 12Mbite
- Support STP/RSTP/MSTP
- Support SNTP

Link Aggregation
- Support 16 Link Aggregation Groups with Static & LACP types
  · Up to 8 Ports for Each Group
- Support Traffic Load Balancing

ACL
- Supports up to 512 entries
- Source and Destination MAC, VLAN ID or IP Address, Protocol, Port

Security
- RADIUS / TACACS+ Authentication
  · Authentication for Management Service
- Support 802.1X / MAC Authentication
  · Port-based / Mac-based
- Static Port Security
- Support Port Isolation (Protected Port)
- Storm Control
  · Broadcast
  · Unknown Multicast
  · Unknown Unicast
- DoS Attack Prevention
- Dynamic ARP Inspection
- IP Source Guard
- DHCP Snooping with Option 82
- Support Loop Detection / Prevention

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

PoE (P2500)
- 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

Diagnostics
- Port Mirroring
- Port-based Cable Test
- Ping
- Syslog
  · Violate/Non-Violate Memory
  · External Server

HW Monitor
- Data Record
- Real-time Graph
- Fan Control
- Power Saving
- Alert Message
- Support Fan Test by Web
- Support ACS & Web

Management
- TR-069
- Support IEEE802.1AB, Link Layer Discovery Protocol (LLDP) with LLDP-MED Extensions
- Support SNMP v1, v2c, v3
- Simple Network Time Protocol
- Support RMON Groups1,2,3,9* (History, Statistics, Alarms, and Events) for Enhanced Traffic Management, Monitoring and Analysis
- Firmware Upgrade via HTTP/HTTPs/TFTP/TR-069*
- Configuration Upgrade/Backup via HTTP/TFTP
- Support HTTP/HTTPs Web User Interface
- Support Dual Image
- System Reboot
- Support Command Line Interface (CLI) via Telnet/SSH
- CLI Could Get PoE Status
- Support DrayTek Switch Management
- Support EEE (Energy Efficient Ehternet)

VLAN
- IEEE802.1Q Tag-base VLAN
- IEEE802.1v Protocol-based VLAN
- MAC-based VLAN (Dynamic)
- Management VLAN
- Support Voice VLAN (OUI Mode)
- Support Surveillance VLAN (OUI Mode)
- GVRP (General VLAN Registration Protocol)

Hardware Interface
- 44 x 10/100/1000Mbps Giga Ethernet, RJ-45 (G2500)
- 44 x 10/100/1000Mbps Giga Ethernet with PoE+ PSE, RJ-45 (P2500)
- 4 x GbE Combo Ports, RJ45 + SFP
- 2 x SFP Ports
- 1 x Slide Switch to swap the Port/PoE LED (P2500)
- 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:
  · 44.5(H) x 440(W) x 330(D) mm (P2500)
  · 45(H) x 441(W) x 270(D) mm (G2500)

*Firmware Upgradeable

Gigabit LAN ports   Combo UTP/SFP ports   SFP