DrayTek

VigorSwitch G2121/P2121

L2 Managed Gigabit Switch

- 8 Gigabit capable ports & 4 Gigabit SFP/RJ-45 combo ports
- 8 Gigabit PoE+ capable ports with PoE power budget up to 140 watts (P2121)
- 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 a 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 P2121/G2121 are designed for the small business network at a compact size that runs various network applications. They provide L2-managed features for VLAN, port security, multicast, and management to help businesses to improve network security and stability.

Auto Surveillance & Voice VLAN
Recognize traffic from IP cameras and IP phones automatically and add CoS tag for QoS prioritization.

Multiple Admin Accounts
Multiple Admin accounts with two levels of administrator privilege.

Access Control
VigorSwitch P2121/G2121 support ACL by IP/MAC and 802.1x port access control with RADIUS to filter unauthorized hosts.

Central Switch Management
Set up VLAN easily from the router and get a centralized hierarchy view of the switches.

ONVIF-Friendly
VigorSwitch P2121/G2121 support ACL by IP/MAC and 802.1x port access control with RADIUS to filter unauthorized hosts.

Quality of Service
Improve the performance of critical traffic by prioritizing the traffic with CoS, DSCP, and IP Precedence tag.

Web-Based GUI
Easily manage and monitor the network through the web-based console with graphics showing ports and hardware status.

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

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 8K MAC Address Table
  - Dynamic/Static Address
- Support Jumbo Frame 9KBytes
- Support STP/RSTP/MSTP
- Support SNTP

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

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)

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
- Loop Protection

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

PoE (P2121)
- 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

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

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)

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

Hardware Interface
- 8 x 10/100/1000Mbps Giga Ethernet, RJ-45 (G2121)
- 8 x 10/100/1000Mbps Giga Ethernet with PoE+ PSE, RJ-45 (P2121)
- 4 x GbE Combo Ports, RJ45 + SFP
- 1 x Factory Reset Button
- 1 x Console Port, RJ45

Environmental / Physical
- Power
  - Voltage: 100 ~ 240VAC
  - PoE Power Budget: 140 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:
  - 330(W) x 230(D) x 44(H) mm

*Firmware Upgradeable

CONSOLE port   Gigabit LAN ports   Combo UTP/SFP ports