



## VigorSwitch G1280

Web Smart Gigabit Switch

- 24 Gigabit capable ports & 4 combo Gigabit SFP/RJ-45 ports
- 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 G1280 is designed for SOHO and small business network that runs various network applications. The 24 Gigabit Ethernet ports are perfect for a network with wireless AP, IP phones, and IP surveillance, and 4 additional combo Gigabit SFP/RJ-45 ports for uplink. VigorSwitch G1280 meets the IEEE 802.3az (Energy-Efficient Ethernet) standard to reduce power consumption and lower the electricity bill, the auto Voice VLAN and QoS feature help to improve the VoIP call quality on the network. All the ports of VigorSwitch G1280 are capable of gigabit speeds, Link Aggregation can be set up to increase the throughput and build a more reliable network.

### LAN Security

VigorSwitch G1280 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 G1280 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.

### Energy Efficiency

The VigorSwitch G1280 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.

### Speed up the network by Link Aggregation

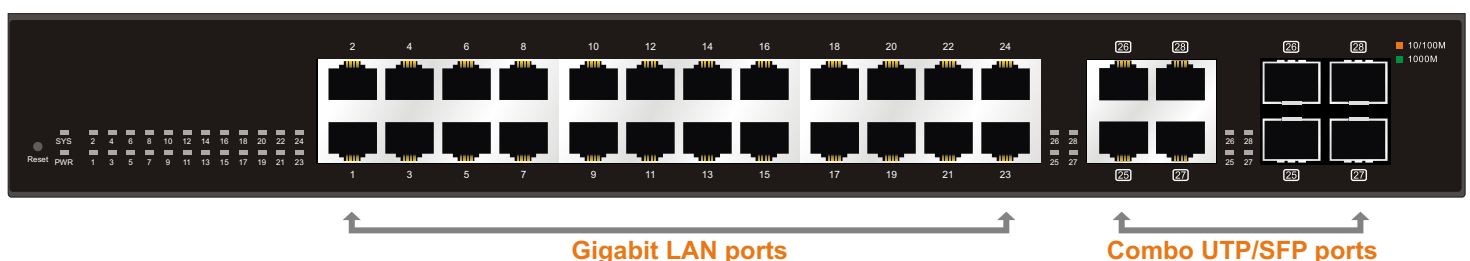
If cascading more switches are required, link aggregation will provide the network higher throughput and link redundancy. VigorSwitch G1280 supports link aggregation by both static configuration and LACP (Link Aggregation Control Protocol), up to 8 Link Aggregation Group can be set up on VigorSwitch G1280, and each of the group can have up to 8 port members.

### User-Friendly GUI

VigorSwitch G1280 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.

### Vigor Router Central Management Compliant

VigorSwitch G1280 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 802.3ad Port Trunk with LACP
- IEEE 802.1AB Link Layer Discovery Protocol (LLDP)
- IEEE 802.1az Energy Efficient Ethernet

### QoS

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

### Security

- Support Storm Control
  - Broadcast, Unknown Multicast, Unknown Unicast
- DoS Attack Prevention

### Link Aggregation

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

### Diagnostics

- CPU/RAM/Port Utilization
- Event Log
- Port Mirroring
- Ping
- Port-based Cable Test

### VLAN

- Support IEEE 802.3Q VLAN
  - Tag-based
  - Port-based
- Protected Port
- Voice VLAN (OUI Mode)
- Management VLAN

### Multicast

- Up to 256 Multicast Groups
- IGMP Snooping v2/v3 (BISS)
  - IGMP Querier
  - Immediate Leave

### Environmental / Physical

- Power
  - Voltage: 100 ~ 240VAC
- 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 197(D) mm

### Management

- Multiple User Account
  - Two-level Security (Admin/User)
- HTTP(s) Web User Interface
- Simple Network Time Protocol
- Link Layer Discovery Protocol
- Simple Network Management Protocol v1/v2c
  - Support Generic Traps
- Command Line Interface (CLI) via Telnet/SSH
- DrayTek Switch Management

### Hardware Interface

- 24 x 10/100/1000Mbps Giga Ethernet, RJ-45
- 4 x GbE Combo Ports, RJ45 + SFP
- 1 x Factory Reset Button

