

## Draytek VigorSwitch G1280 Web Smart Gigabit Switch



Product Name: Draytek VigorSwitch G1280 Web Smart Gigabit Switch

Manufacturer: -

Model Number: VSG1280-K

Please Note: This product has been discontinued. For an alternative, please see the other DrayTek models.

Draytek VigorSwitch G1280 Web Smart Gigabit Switch

The Draytek VigorSwitch G1280 is designed for small business networks that run various network applications. The 24 Gigabit Ethernet ports and the 4 additional combo Gigabit SFP/RJ-45 ports are perfect for a network with wireless APs, IP phones, and IP surveillance.

Draytek VigorSwitch G1280 Key Features

- 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

**LAN Security**The 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.

**Improved 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 ensuring the best call quality.

**Energy Efficiency**The VigorSwitch G1280 helps you build a green network by offering power-saving features, such as IEEE 802.3az (Energy-Efficient Ethernet). This feature allows the switch to dynamically adjust the power on each port according to the client activity and cable length.

**User-Friendly GUI**The 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.

Draytek VigorSwitch G1280 - Technical Specification

Physical Interfaces

- 24 10/100/1000BaseT Ethernet Ports (RJ-45 IEEE 802.3u/ab)

- 4 Selectable Ports (Nos. 25-28), use as either:

- 10/100/1000BaseT (Gigabit) Ethernet or

- SFP (802.3z)

VLAN

- 802.1q Tag-based VLAN

- Port-based and MAC-based VLANs

- Up to 4K VLANs (out of 4096 VLAN IDs)

- 802.1v Protocol-Based VLAN

- Voice VLAN (OUI Mode)

QoS

- Support 8 priority queues

- Port-Based rate control

## Draytek VigorSwitch G1280 Web Smart Gigabit Switch

- Priority queue schedule (WRR or Strict Priority)
- Class of Service
- 802.1p CoS
- DSCP
- CoS-DSCP
- IP Precedence ToS

### Network Security

- Access Control Lists (ACL)
- Source and destination MAC
- VLAN ID
- IPv4/v6 address
- Protocol
- TCP/UDP port
- Storm Control (Broadcast, Unknown Multicast, Unknown Unicast)
- DoS Attack protection
- AAA Authentication

### Link Aggregation

- Combine multiple ports to increase bandwidth
- 8 Aggregation Groups
- Up to 8 ports in each group
- LCAP or Static setup
- Supports traffic load balancing

### Networking Performance:

- Switching Capacity: 56Gbps
- Forwarding Rate: 41.7Mpps
- MAC Addresses Supported: 8K
- Jumbo Frames up to 9KB

### IGMP Snooping

- Up to 256 multicast groups
- IGMP Snooping V2/V3 (BISS)
- IGMP V2/V3 Querier
- Immediate Leave

### Management

- IPv4 & IPv6 Dual-Stack
- Web User Interface (HTTP or HTTPS)
- Firmware Upgrade/Backup by HTTP/HTTPS
- HTTP (Non-TLS) can be disabled for increased security
- Configuration Backup/Restore
- Factory Default
- System Reboot
- LLDP(802.1ab) + MED
- Command Line Interface (CLI) via SSH/Telnet
- DrayTek Switch Management support (from routers) \*requires firmware update
- VigorACS Compatible \*requires firmware update
- SNMP (with Generic Traps) & TR-069

## Draytek VigorSwitch G1280 Web Smart Gigabit Switch

### Diagnostics

- Port Status & Usage display
- CPU/RAM Usage display
- Event Log
- Port Mirroring
- Ping
- Port-based cable test

### General IEEE Standards Compliance

- 802.3 10Base-T
- 802.3u 100Base-T
- 802.3ab 1000Base-T
- 802.3x Flow Control Capability
- 802.3 Auto-negotiation
- 802.1Q VLAN
- 802.1p Class of Service
- 802.1d Spanning Tree
- 802.1w Rapid Spanning Tree
- 802.3ad Port trunk with LACP
- 802.1AB Link Layer Discovery Protocol (LLDP)
- 802.3az Energy Efficient Ethernet

### Operating Requirements

- Power Input Requirements: 100-240VAC
- Power supply: Internal
- Maximum Input Power Consumption: 453.3 Watts
- Operating Temperature: ~0°C to ~40°C
- Storage Temperature: -20°C to ~70°C
- Operating Humidity: 10% to 90% RH (non-condensing)

### General

- Dimensions: 441 x 197 x 45 mm (W x D x H)
- Rack mountable: 1U
- Brackets included for rack or wall mounting
- Weight: 2.6Kg (excluding SFP modules/cables)
- ROHS & CE Compliant

**Please Enquire**