# DrayTek

# Vigor Switch G1282

## Smart Web Gigabit Switch

- 24 Gigabit-capable ports and 4 Gigabit SFP/RJ-45 combo ports VLAN based
- on 802.1Q tags Auto Voice VLAN for easy VoIP deployment and best QoS call
- quality with 8 priority queues and rate limit
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- IPv4/IPv6 dual-stack support
- **Compliant with Vigor Router switch management**

VigorSwitch G1282 is designed for SOHO and small business networks running various network applications. The 24 Gigabit Ethernet ports are perfect for a wireless access point network, IP phones and IP surveillance, and an additional 4 Gigabit SFP/RJ-45 combo ports for uplink. VigorSwitch G1282 complies with IEEE 802.3az (Energy-Efficient Ethernet) standard to reduce power consumption and reduce electricity bill, Auto Voice VLAN and QoS function help improve VoIP call quality on the network. All ports of VigorSwitch G1282 are capable of gigabit speeds, Link Aggregation can be configured to increase performance and build a more reliable network.

### LAN Management
VigorSwitch G1282 offers features that help build a secure business network, such as VLAN, port isolation, storm control, and DoS defense. While they allow visitors to connect to the network to access the Internet, these features help block visitor access to commercial network resources and protect the network from being overwhelmed by malicious traffic.

### Voice VLAN to improve call quality The
Voice VLAN feature enables VigorSwitch G1282 to automatically identify the traffic of a VoIP device and assign its 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.
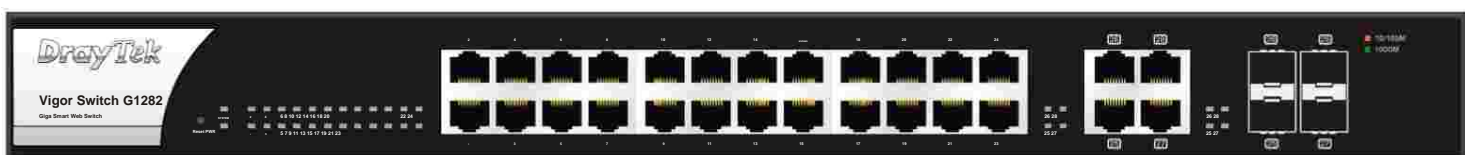
### Power Efficient
VigorSwitch G1282 helps you build a green network by offering power-saving features, such as IEEE 802.3az (Energy Efficient Ethernet), which enables the switch to dynamically adjust power on each port based on client activity. and the length of the cable.

Speed up the network with link aggregation If more cascaded switches are required, link aggregation will provide the network with higher throughput and link redundancy. VigorSwitch G1282 supports link aggregation by static configuration and LACP (Link Aggregation Control Protocol), up to 8 link aggregation groups can be configured on VigorSwitch G1282, and each group can have up to 8 member ports.

### Easy Configuration and
Monitoring VigorSwitch G1282 has adopted a new interface design that will make configuration and management much easier. The new dashboard shows the status of the system and each of the LAN ports at a glance. Furthermore, the responsive web design allows the network administrator to monitor the switch effortlessly through all kinds of devices. (Visit the live demo)

VigorSwitch G1282 fulfills the central management function of Vigor Router. It can be managed through Vigor Router's management page, allowing the network administrator to configure, monitor and maintain all switches in the network easily from a single portal.

Gigabit LAN ports

Combo UTP/SFP
ports

## IP version
IPv4
IPv6

**IEEE 802.3 10Base-T Standard**
**Compliance 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 Trunk
IEEE 802.3ad port with LACP Link Layer
Discovery Protocol (LLDP)
IEEE 802.1AB

IEEE 802.3az Energy Efficient Ethernet

## QoS
Supports 8 queue rate limits
of hardware
Port-based queue configuration
(entrance/exit)
**WRR**
strict priority
**service class**
**CoS 802.1p**
**DSCP**
**CoS-DSCP**
IP precedence

## Security
Support storm control
Prevention of broadcast, multicast DoS attacks
unknown, unknown unicast

## Add a link
**Supports 8 Link Aggregation**
**Groups with static types and LACP**
Up to 8 ports for each supported group
with traffic load balancing

## Diagnosis
CPU usage event log
RAM/puerto
port mirroring
Whistle
Port Based Cable Test

## VLAN
**Supports IEEE 802.1Q**
**protected port VLAN voice**
**VLAN (OUI mode)**
**Management VLAN**

## multicast
Up to 256 multicast groups
IGMP Snooping v2/v3
(BISS) IGMP querier
immediate license

## Environmental / Physical
Energy
**Voltage: 100~240VAC**
**Temperature**
Operating: 0~45C
Storage: -20~70C
Humidity
Operating: 10 to 90% RH (non-condensing)
Storage: 5 to 90% RH (non-condensing)
Dimensions: 45 (height) x 441 (width) x 197 (depth) mm

## Management
**Multiple user account**
Two-level security (administrator/
user) HTTP(s) Web user interface
Simple Network Time Protocol
link layer discovery
**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 puertos combinados GbE, RJ45 + SFP**
1 factory reset button



Internal
AND
L1.

Internal
AND

Broadband
Aggregation

Internal
AND

Internet

VLAN
Internal
AND

VLAN
Guest
AND

force router
Series

Guest
AND