VigorSwitch P1282

PoE Web Smart 28-Port Gigabit Switch

Ideal for powering connected IP phones, IP cameras and wireless access points

DrayTek

Compatible with the **VigorACS Centralised Management Platform**

Product Overview

TThe VigorSwitch P1282 & G1282 are high-performance, Smart Managed Gigabit Ethernet switch with 4 SFP uplink ports. With 24 RJ-45 Gigabit LAN ports, it's ideal for adding network ports to a DrayTek Vigor router, implementing complex networks with VLANs and adding port-level security with the switch's Access Control List.

The VigorSwitch P1282 is able to power your network devices via Power over Ethernet, with a generous 400-watt power budget to provide power to each of its 24 PoE / PoE+ enabled Gigabit LAN ports.

Designed for centralised management, the VigorSwitch P1282 can be provisioned and monitored with the VigorACS management platform, the free VigorConnect single site management system and/or, with a DrayTek Vigor router's Central Switch Management. Easily provision VLAN configuration through the router and clone switch configurations. Drastically reduce the setup time required for a complex network and configure an entire DrayTek

Key Features & Benefits

Managed Centrally or Stand-Alone

Configure and monitor the switch through the VigorACS cloud management platform, through VigorConnect, through a DrayTek Vigor router, or directly via the device's Web Interface.

Benefits: Save time and money. Easily provision, monitor and manage remote sites without on-site IT or dedicated staff.

Smart Power over Ethernet

Provides ample power through Ethernet to each of the 24 PoE / PoE+ enabled Gigabit LAN ports. PoE scheduling, priority & Device Check features ensure your PoE devices are powered and working.

Benefits: Power and manage IP cameras, IP phones and Wireless APs.

Automatic VLAN Assignment

Voice, Surveillance and MAC VLANs dynamically assign VLANs to IP Phones, IP Cameras and more. Ensures the same network setup and Quality of Service regardless of where devices are plugged in

Benefits: Less time to install, move ports around without reconfiguring VLANs.

IP Camera Management

Manage IP Cameras easily with detection and management of ONVIF cameras. Use PoE Device Check, auto-generated IP Camera topology and Camera Snapshots to detect & troubleshoot problems.

Benefits: Extensively configurable to suit any application.

Great Security Features

Protect your network against unauthorised access and network problems with IP Conflict Prevention, DoS Defence, Access Control Lists for IPv4, IPv6, MAC and IP Source Guard.

Benefits: Secure & control access to your network.

4 SFP Ports for Uplinks

Uplink to Fibre or direct-attach to additional switches, with 4x Gigabit SFP Ports. Connect switches over long distances with SFP Fibre modules.

Benefits: Fexible installation. Surpass the 100m limit of copper cabling.

UK Product Code	EAN	Product Name	Product Description
VSG1282-K	4710484744319	VigorSwitch G1282 (UK/IE)	24-Port Gigabit Managed Switch with 4 SFP Uplink Ports

Key Specification

- 24 x RJ-45 Gigabit Ethernet Ports
- 4 x RJ-45 / SFP Gigabit Ethernet Ports
- VigorSwitch P1282 only: PoE+ on RJ-45 ports
- VigorSwitch P1282 only: 400-watt Power-over-Ethernet budget
- Cloud Managed with VigorACS, or standalone operation
- 802.1q VLANs with Dynamic MAC-based, Voice & Surveillance VLAN
- ONVIF IP Camera Surveillance Management with PoE Device Check
- Access Control List (ACL) for port & traffic level security
- Port Mirroring & Link Aggregation
- IGMP Snooping & Querying
- IPv4 and IPv6 Support with IP Conflict Prevention
- Centrally managed or standalone operation

Technical Specification (UK Hardware Spec.)

Physical Interfaces

- 24 RJ-45 Ethernet Ports – 10/100/1000Mbps
- Factory Reset Button

4 Selectable Ports (Nos. 25-28), use as either:
- 10/100/1000BaseT (Gigabit) Etherne
- or SFP (1000M) Ports for Uplink / Fibre

PoE Specification (VigorSwitch P1282 only)

- 24 Power over Ethernet LAN ports - PoE PSE Mode A
- IEEE 802.3af PoE & 802.3at PoE+ (High Power) compliant
- 400 Watts Total Power Budget for PoE
- Up to 30 watts per port
- Auto Detection of Powered Device (PD) and Consumption Levels
- Per Port PoE Status LED Indicators
- Alert LED and Mail Alert for high PoE Usage
- Port Power Consumption Monitoring via Web Interface & CLI
- Circuit Protection to Prevent Power Interference between Ports

PoE PD Monitoring & Maintenance Features (per port)
- Scheduling
- PoE PD Priority
- Restart PoE PD if not responding to ping
- Restart PoE IP Camera if not providing camera output

VLAN

- 802.1q Tag-based VLAN
- Port-based & MAC-based VLANs
- Up to 255 VLANs (out of 4096 VLAN IDs)
- Voice VLAN (OUI Mode)
- Surveillance VLAN (OUI Mode)
- Management VLAN
- Port Isolation (Protected Ports)

QoS
- Support 8 priority queues
- Port-Based rate control (Ingress & Egress)
- Priority queue schedule (WRR or Strict Priority)
- Rate Limit
- Class of Service
- 802.1p CoS
- DSCP
- CoS-DSCP
- IP Precedence ToS

Network Security
- IP Source Guard with ARP inspection
- IP Conflict Prevention
- Storm Control (Broadcast, Unknown Multicast, Unknown Unicast)
- DoS Attack protection
- Protected Port / Port Isolation
- Static Port Security
- Loop Detection & Prevention

Access Control Lists (ACL)
- Up to 512 ACL Entries
- Source and destination MAC
- VLAN ID
- IPv4/v6 address
- Protocol
- TCP/UDP port

Spanning Tree

- Spanning Tree Protocol (STP)
- Rapid Spanning Tree Protocol (RSTP)

Link Aggregation

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

Multicast

- Up to 256 multicast groups
- Multicast Group Filtering / Throttling
- IGMP Snooping V2/V3 (BISS)
- IGMP V2/V3 Querier
- Multicast VLAN registration

ONVIF Surveillance Management

- Discovery of ONVIF-compliant IP Cameras
- Surveillance Topology
- Real-Time Video Streaming

ONVIF Device Maintenance
- Device Information
- Network Settings Configuration
- Time Settings
- Reboot
- Reset to Factory Default Settings
- Ping Check with Mail Alert on disconnection

Management

- Central Management
- VigorACS
- VigorConnect
- Vigor Router Switch Management (requires router firmware support)
- IPv4 & IPv6 Dual-Stack
- Web User Interface (HTTP or HTTPS)
- Firmware Upgrade/Backup by HTTP/HTTPS
- Configuration Backup/Restore
- Factory Default
- System Reboot
- 2-level Admin Privileges
- Multiple Admin Accounts
- Command Line Interface (CLI) via SSH/Telnet
- OpenVPN Client with Certificate-based auth
- SNMP v1, v2c, v3 (with Generic Traps)
- SNTP (Simple Network Time Protocol)
- LLDP(802.1ab) + MED

Technical Specification (UK Hardware Spec.)

Diagnostics

- **Port Status & Usage display**
- **CPU/RAM Usage display**
- **MAC Address Table**
- **Device Check**
- **Syslog**

Mail Alert
- **Port Status**
- **Port Speed Change**
- **System Restart**
- **Device Check**
- **IP Conflict**
- **ONVIF IP Camera Snapshot**
- **Port Mirroring**
- **Ping Diagnostics**
- **Port-based Cable Test**

IPv4 Features

- DHCP Client
- DNS Client

IPv6 Features

- Auto Configuration
- Static IPv6 Address & Prefix Length
- Static IPv6 Default Gateway
- IPv6 Neighbour Discovery (ND)
- IPv6 Duplicate Address Detection
- ICMPv6
- DHCPv6 Client

General IEEE Standards Compliance

- 802.3af PoE
- 802.3at PoE+
- 802.3 10Base-T
- 802.3u 100Base-T
- 802.3ab 1000Base-T
- 802.3x Flow Control
- 802.3 Auto-Negotiation
- 802.1q Tag-based VLAN
- 802.1p Class of Service
- 802.1d STP
- 802.1w RSTP
- 802.3ad LACP
- 802.1x Port Access Control
- 802.1AB LLDP
- 802.3az EEE

Operating Requirements

- Power Input Requirements: 100-240VAC
- Power supply: Internal
- Maximum Input Power Consumption:
- VigorSwitch G1282: 36 Watts
- VigorSwitch P1282: 450 Watts
- Cooling: Dual-Fan cooled
- Operating Temperature: 0 °C to 50 °C
- Storage Temperature: –20 °C to 70 °C
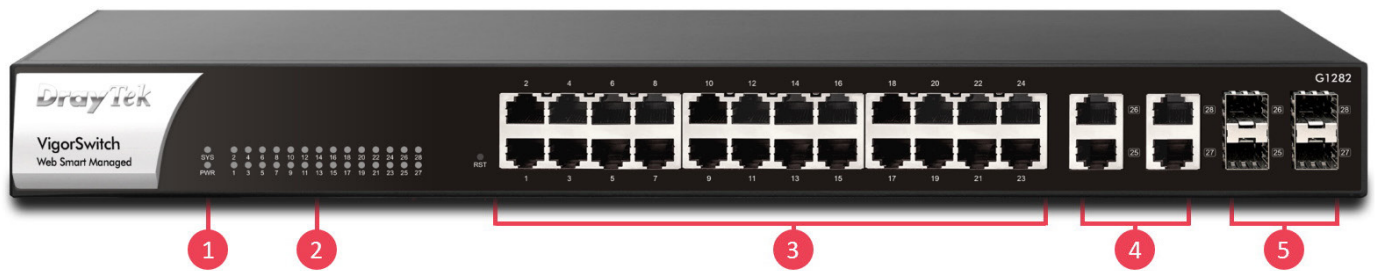- Operating Humidity: 10% to 90% RH (non-condensing

Physical Specifications

- Rack mountable: 1UDimensions:
- VigorSwitch G1282: 441 x 206 x 44 mm (W x D x H)
- VigorSwitch P1282: 441 x 281 x 44 mm (W x D x H)
- Weight:
- VigorSwitch G1282: 2.8 kg
- VigorSwitch P1282: 4.3 kg

Box Contents

- VigorSwitch G2100 / P2100 Network Switch
- UK IEC13 Power Cable
- 1U Rack Mount Fittings
- Quick Start Guide

ROHS & CE Compliant

Warranty : 2 Year Manufacturer's RTB

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Specifications, content and product availability are subject to change and may differ from country to country. Actual Performance may vary depending on applications, usage, environment and other factors.
Full specifications are available at **https://www.draytek.co.uk**

1 System Status Indicators

2 Port Activity Indicators

3 24x 1GbE RJ-45 Ports

4 4x 1GbE RJ-45 Combo Ports

5 4x 1GbE SFP Combo Ports