



Web Smart Gigabit Switch



Quick Start Guide

V1.2



Smart Web Gigabit Switch

VigorSwitch P1282 / G1282

Quick Start Guide

Version: 1.2

Firmware version: V2.1.0_RC

(For future updates, please visit the DrayTek website)

Date: September 04, 2017



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Safety instructions and approval

Security

Instructions

- **Please read the installation guide carefully before configuring the switch.**
- **The switch is a complicated electronic unit that can only be repaired by authorized and qualified personnel. Do not try to open or repair the switch yourself.**
- **Do not place the switch in a damp or humid place, for example, a bathroom.**
- **Do not stack switches.**
- **The switch must be used in a protected area, within a temperature range of +5 to +40 Celsius.**
- **Do not expose the switch to direct sunlight or other sources of heat. The casing and electronic components can be damaged by direct sunlight or heat sources.**
- **Do not run the cable for LAN connection outdoors to avoid risk of electric shock.**
- **Keep the package out of the reach of children.**
- **When you want to dispose of the switch, please follow the local regulations for environmental conservation.**

Warranty

We warrant to the original end user (purchaser) that the switch will be free from defects in workmanship or materials for a period of one (1) year from the date of purchase from the dealer. Keep your sales receipt in a safe place, as it serves as proof of the date of purchase. During the warranty period, and upon proof of purchase, if the product shows signs of failure due to faulty workmanship and/or materials, we will, at our option, repair or replace the defective products or components, free of charge for parts or labor. working. As we deem necessary, the store the product in proper operating conditions. Any replacement will be a functionally equivalent new or remanufactured product of equal value, and will be offered solely at our discretion. This warranty will not apply if the product is modified, misused, tampered with, damaged by an act of God, or subjected to abnormal working conditions. Software included or licensed from other vendors is not covered by the warranty. Defects that do not significantly affect the usability of the product will not be covered by the warranty. We reserve the right to revise the manual and online documentation and to make changes from time to time to the content thereof without obligation to notify any person of such revision or changes.





EU Declaration of Conformity

We DrayTek Corp., Office at No.26, Fu Shing Road, HuKou County, Hsin-Chu Industry Park, Hsinchu 300, Taiwan, ROC, declare under our sole responsibility that the product

Product name: Smart PoE Web Switch

Model Number: Gigabit VigorSwitch P1282

Manufacturer: DrayTek Corporation.

Talk to: No.26, Fu Shing Road, HuKou County, Hsin-Chu Industrial Park, Hsinchu
300, Taiwan, ROC

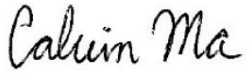
is in conformity with the relevant Union harmonization legislation:

EMC Directive 2014/30/EU, Low Voltage Directive 2014/35/EU and RoHS 2011/65/EU with reference to the following standards

Standard	Version / Issue Date
IN 55032	2015 class A
EN 61000-3-2	2014 A-Class
EN 61000-3-3	2013
IN 55024	2010+A1:2015
IN 60950-1	2006 +A11:2009 + A1:2010 +A12:2011+ A2: 2013

Hsinchu
(place)

June 22, 2017
(date)


Calvin Ma / President.
(Legal Firm)



EU Declaration of Conformity

We DrayTek Corp., Office at No.26, Fu Shing Road, HuKou County, Hsin-Chu Industry Park, Hsinchu 300, Taiwan, ROC, declare under our sole responsibility that the product

Product name: 24 gigabit switch

Model Number: puertos VigorSwitch G1282

Manufacturer: DrayTek Corporation.

Talk to: No.26, Fu Shing Road, HuKou County, Hsin-Chu Industrial Park, Hsinchu
300, Taiwan, ROC

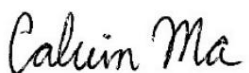
is in conformity with the relevant Union harmonization legislation:

EMC Directive 2014/30/EU, Low Voltage Directive 2014/35/EU and RoHS 2011/65/EU with reference to the following standards

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Hsinchu
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(date)



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(Legal Firm)



Regulatory information

Federal Communications Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. The operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device may accept any interference received, including interference that may cause undesired operation.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



More updates, please visit www.draytek.com . _____



Be a registered owner

Web registration is preferred. You can register your Vigor switch via <http://www.draytek.com>.

Firmware and tool updates

Due to the continuous evolution of DrayTek technology, all switches will be updated regularly.

Check the DrayTek website for more information on the latest firmware, tools and documents. <http://www.draytek.com>



1

Package content

The Web Smart 24-Port + 4-Port UTP/SFP Combo Gigabit Port Switch is a standard switch that complies with IEEE 802.3u/ab Fast Ethernet and Gigabit Ethernet specifications.

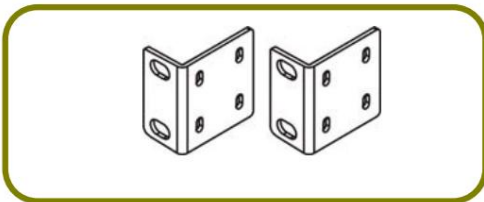
The network administrator can log in to the switch to monitor, configure, and control the activity of each port. In addition, the switch implements QoS (Quality of Service) and VLAN. It is suitable for office applications.



Vigor Switch P1282 (con PoE)



VigorSwitch G1282 (sin PoE)

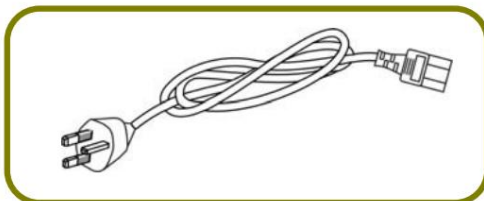


Rack mounting kit (brackets)

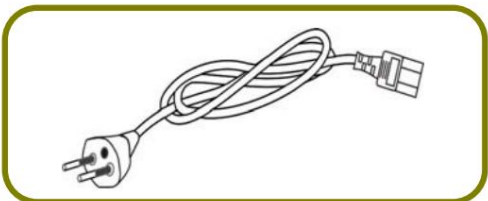


Quick Start Guide

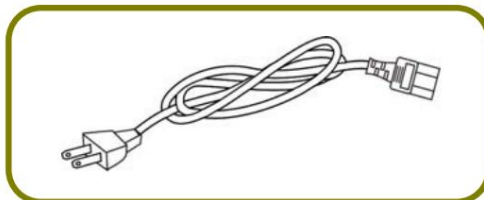
The type of power cord depends on the country in which the switch will be installed.



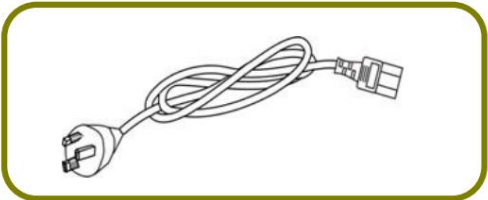
UK type power cord



EU type power cord



US/Taiwan type power cord



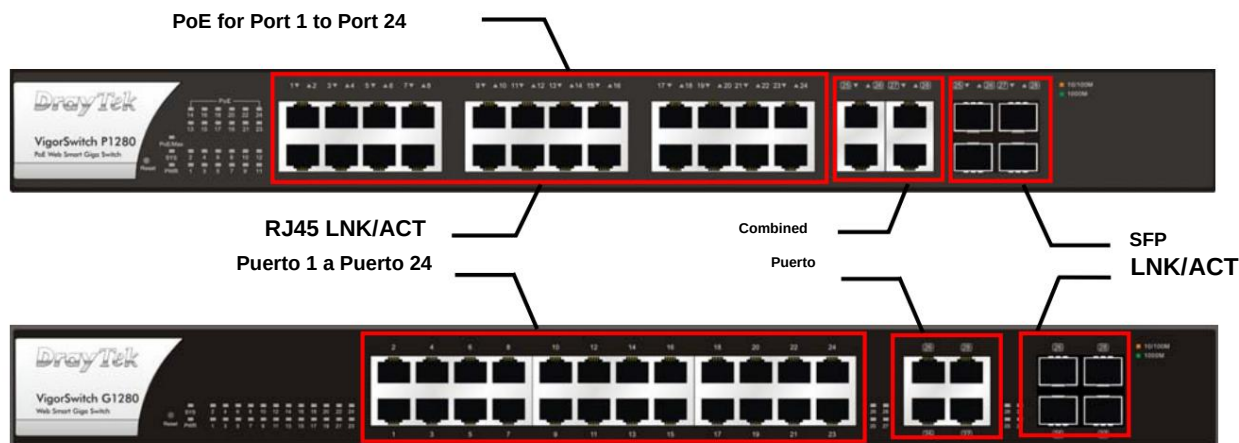
AU/NZ type power cord

If any of these items are missing or damaged, please contact your local dealer for a replacement.



2

Dashboard Explanation



LED	state	Explanation
PoE/max. (for P1282)	on (green) Connected	via PoE maximum power budget.
	off	Connected within the maximum PoE power budget.
SYSTEM	on (green)	The switch finishes booting the system and the system is ready.
	Flicker (Green)	The switch turns on and system boot begins.
	Off	Power is off or system is not ready/not working properly.
can	on (green)	The device is turned on and working normally.
	Off	The device is not ready or has failed.
PoE 1~24	on (green)	The port is supplied with PoE power.
	off	No PoE power is supplied to the port.
RJ 45 LNK/ACT Puerto 1 ~ 24	on (green)	The device is connected with 1000Mbps.
	About (Amber)	The device is connected with 10/100Mbps.
	Flicker	The system is sending or receiving data through the port.
	Off	The port is down or the link fails.
Combo to Oporto 25 ~ 28 (RJ 45	on (green)	The device is connected with 1000Mbps.
	About (Amber)	The device is connected with 10/100Mbps.

LNK/ACT)	Flicker	The system is sending or receiving data to through the port.
	Off	The port is down or the link fails.
SFP LNK/ACT	on (green)	The device is connected with 1000Mbps.
	About (Amber)	The device is connected with 10/100Mbps.
	Flicker	The system is sending or receiving data through the port.
	Off	The port is down or the link fails.

Interface	Description
RJ 45 LNK/ACT Port 1~24	Port 1 to port 24 can be used for Ethernet connection and PoE connection, depending on the connected device.
PoE for port 1~24	
Puerto SFP LNK/ACT 25 ~ 28	Ports 25-28 are used for the fiber connection.
	Power input for AC input (100~240V/AC, 50/60 Hz).



Use

The following limitation is suitable for the output power

VigorSwitch P1282 --

- IEEE 802.3af Max. 15.4 W output supported
- IEEE 802.3at Max. 30W output supported

PoE Power Budget --

- 340 watts (max)



3

hardware installation

This section will guide you to install the switch through a hardware connection and configure the switch settings through the web browser.

Before you start configuring the switch, you need to connect your devices correctly.

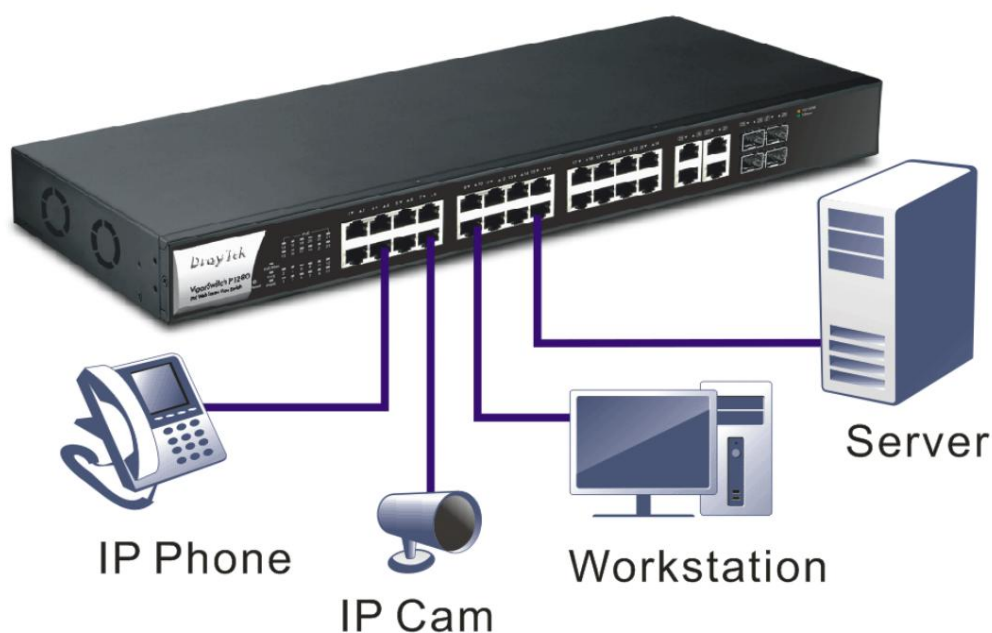


Use

Power the device to this switch and get a 48V power supply through Cat. Cable 5e.

3.1 Network connection

- Use a cat. 5e twisted pair cable to connect a PoE device to port (1~24) of this switch.
- The switch will supply power to the PoE device through the twisted pair cable. have
- Please note that the power device must comply with IEEE 802.3af/at.
- Other PCs, servers, and network devices can be connected to the switch using a standard "straight" twisted pair cable.



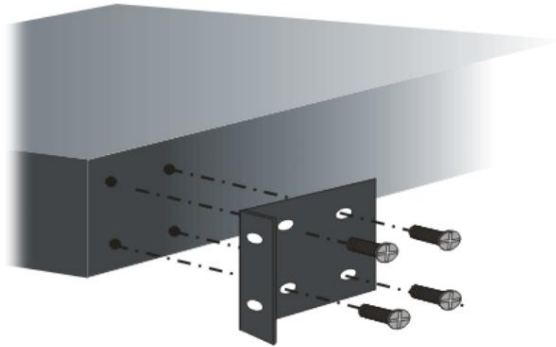
(Take VigorSwitch P1282 as an example)



3.2 Wall-mounted installation

The switch can be easily installed using a rack mount kit.

1. Attach the brackets to the chassis of a 19-inch or 23-inch rack. The second bracket holds the other side of the chassis as per the procedure above.



2. After the bracket installation, the VigorSwitch chassis can be installed in a rack using four screws for each side of the rack.



4

software configuration

In this section, we take VigorSwitch P1282 as an example:

VigorSwitch, for example:

IP Address: 192.168.1.224
Subnet Mask: 255.255.255.0
Default Gateway: 192.168.1.254



Assign a reasonable IP Address, for example:

IP Address: 192.168.1.100
Subnet Mask: 255.255.255.0
Default Gateway: 192.168.1.254



Ethernet LAN

Before using the switch, perform the following steps:

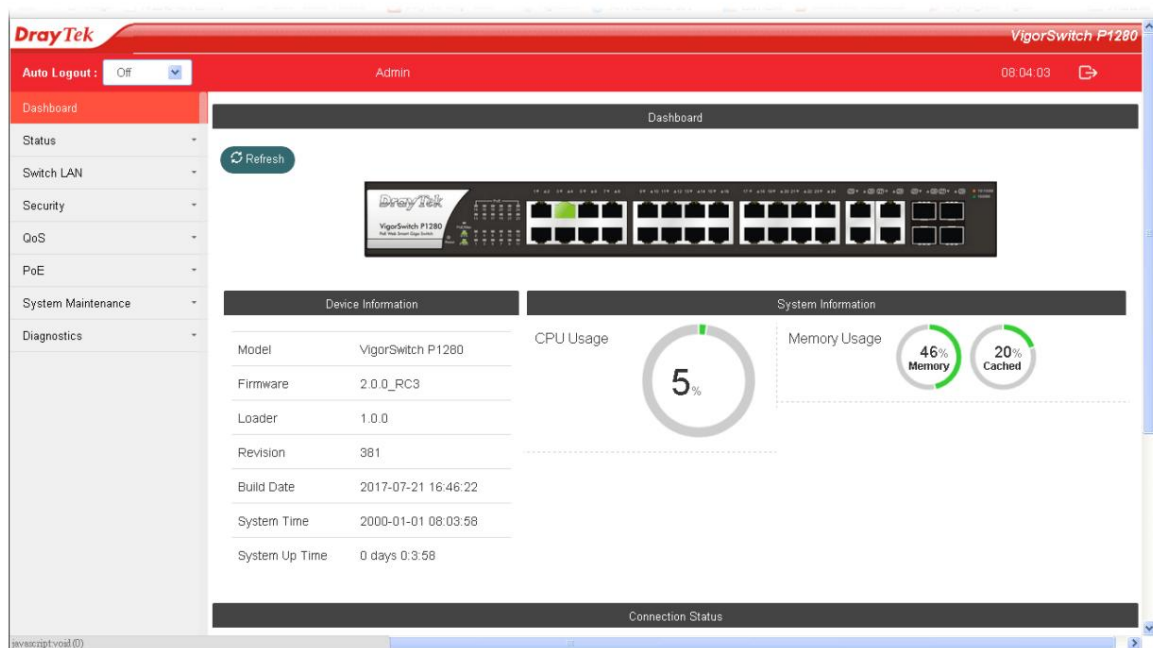
1. Set up a physical path between the configured switch and a PC using qualified Cat UTP. 5e cable with RJ-45 connector.

If a PC connects directly to the switch, you must set the same subnet mask for the PC and the switch. The managed switch defaults are listed below:

IP address	192.168.1.224
Subnet mask	255.255.255.0
DHCP client	Enabled (activated)
Username	administration
Password	administration

2. After setting the correct IP address on your PC, open your web browser and access the IP address of the switch.

VigorSwitch home page will be displayed as below:



Customer service

If the switch does not work properly after many tries, please contact your dealer for further assistance immediately. If you have any questions, feel free to email support@draytek.com.

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To download source codes, visit:

<http://gplsource.draytek.com>

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2, June 1991

If you have any questions, please feel free to contact DrayTek technical support at support@draytek.com for more information.