DrayTek

VigorSwitch G1085/P1085

Web Smart Gigabit Switch

VigorSwitch G1085/P1085 are a 8-port Web Smart Gigabit switch, and basic management features to help businesses to improve network security and stability. P1085 has 8 x Gigabit Ethernet PoE/PoE+ ports with a PoE power budget of 140 watts.

VigorSwitch G1085/P1085

8 x GbE	16 Gbps	11.9 Mpps	Up to 9KB
Gigabit Ethernet, RJ-45	Switching Capacity	Forwarding Rate	Jumbo Frame

VigorSwitch P1085

8 x PoE GbE	140 watts
PoE/PoE+ Gigabit Ethernet, RJ-45	of PoE Power Budget
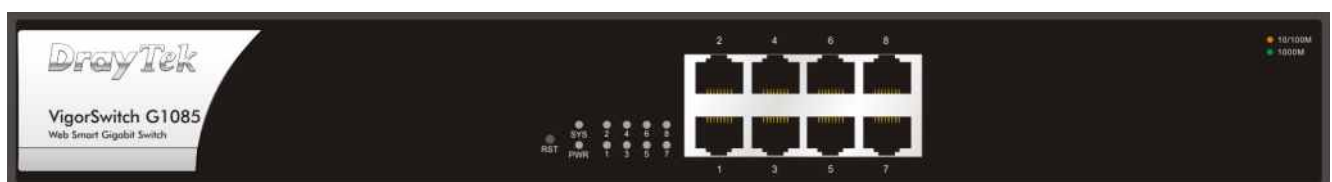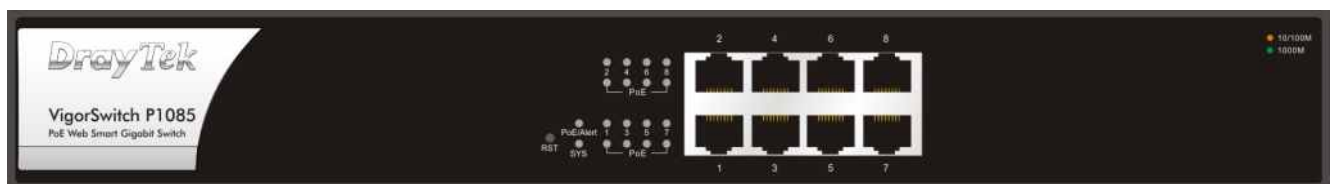
Gigabit LAN ports

Key Features

PoE (P1085)
Deliver power and data over one ethernet cable, turn on/off the PoE device periodically with PoE Schedule.
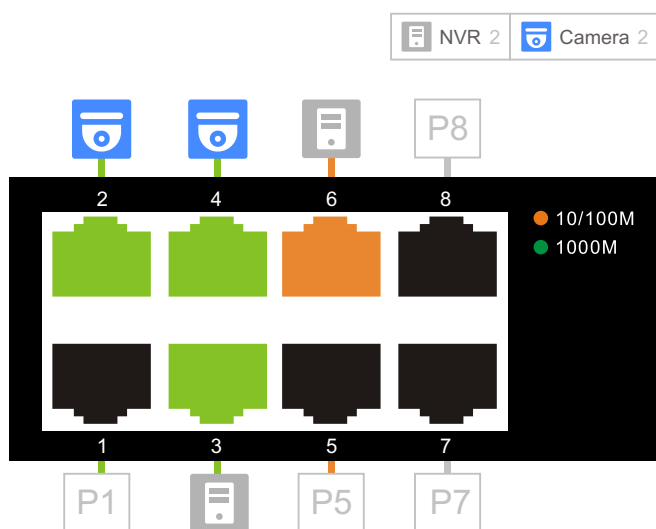
PoE Device Check (P1085)
Enable Ping Watchdog for all PoE devices, if they lose their network connection, automatically restart them by a power cycle.

ONVIF-Friendly
Recognize the ONVIF devices, display surveillance topology, provide UI for video streaming and device maintenance.

Central Switch Management
Set up VLAN easily from the router and get a centralized hierarchy view of the switches.

| Switch Status | Switch Hierarchy | | Refresh |

P1 — 2
VigorSwitch P1085
192.168.193.250
Switch

P2
P7
VigorSwitch P1100
192.168.193.16
Switch

P3

Port : 9
Description :
IP Address : 192.168.193.12
MAC Address :
☐ Shutdown Port   OK

P4

NVR 2   Camera 2

P8

| 2 | 4 | 6 | 8 |

● 10/100M
● 1000M

| 1 | 3 | 5 | 7 |

P1   P5   P7

- Integration of ONVIF devices
- Real-time video streaming
- Remote device maintenance
- Instant e-mail alert

Auto Surveillance & Voice VLAN
Recognize traffic from IP cameras and IP phones automatically and add CoS tag for QoS prioritization.

IP Conflict Prevention
Improve network stability by avoiding IP conflicts caused by a misconfigured or malicious host.

Multiple Admin Accounts
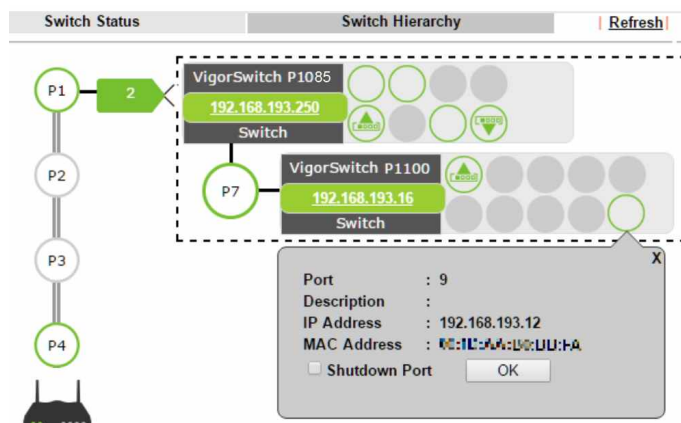Multiple Admin accounts with two levels of administrator privilege.

QoS (Quality of Service)
Improve the performance of critical traffic by prioritizing the traffic with CoS, DSCP, and IP Precedence tag.

Energy-Efficient Ethernet
Compliant with IEEE 802.3az to reduce power consumption.

Specification

Interface

LAN Port	8x 10/100/1000Base-T Ethernet, RJ-45
Button	1 x Factory Reset

PoE (P1085)

PoE/PoE+ Ports	8
PoE Power Budget	140 watts
Power Limit	●
Scheduled On/Off	●
Power Cycle on Port	Manual, Ping Watchdog

Capacity

Buffer Size	4.1 Mbit
Switching Capacity	16 Gbps
Forwarding Rate	11.9 Mpps (64 bytes)
MAC Address Table	8k
Jumbo Frame	Up to 9KB

Networking Standards

IP Version	IPv4, IPv6
Ethernet Standards	802.3af PoE (P1085)
	802.3at PoE+ (P1085)
	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

VLAN

Max.Number of VLAN	256
VLAN Type	802.1q Tag-based
	MAC-based
	Management VLAN
	Voice VLAN
	Surveillance VLAN
Port Isolation	●

Security

Access Control List	MAC, IPv4, IPv6
Storm Control	Broadcast, Unknown Multicast, Unknown Unicast
DoS Defense	●
IP Source Guard	●
IP Conflict Prevention	●
Loop Protection	●

ONVIF Surveillance

Discovery	●
Surveillance Topology	●
Real-Time Video Streaming	●
ONVIF Device Maintenance	Device Info, Reset Factory Default, Time Settings, Reboot

QoS

Number of QoS Queues	8
Queue Scheduling	SPQ, WRR
CoS (Class of Service)	802.1p CoS, DSCP, CoS-DSCP, IP Precedence
Rate Limit & Shaping	●

Link Aggregation

Max. Number of Group	8
Max. Number of Member in Each Group	8
Type	Static, LACP
Traffic Load Balancing	MAC Address, IP/MAC Address

Multicast

IGMP Snooping	v2, v3 (BISS)
IGMP Querier	v2, v3 (BISS)

Management

Web Interface	HTTP, HTTPS
Command Line Interface	Telnet, SSH
OpenVPN Client	Certificate-based authentication
SNMP	v1, v2c, v3
Mail Alert	Port Status, Port Speed, System Restart, IP Conflict
LLDP	●
Syslog	●
2-Level Admin Privilege	●
Multiple Admin Accounts	●
Managed by Vigor Router SWM	●
Config File Export/Import	●
SNTP (Simple Network Time Protocol)	●
Diagnostics Tools	Port Mirroring, Ping, Cable Test

Physical

Operating Temperature	0 to 45°C
Storage Temperature	-20 to 70°C
Operating Humidity	10 to 90% non-condensing
Storage Humidity	5 to 90% non-condensing
Dimension	330mm x 230mm x 44mm