



## 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

Gigabit Ethernet, RJ-45

16 Gbps

Switching Capacity

11.9 Mpps

Forwarding Rate

Up to 9KB

Jumbo Frame

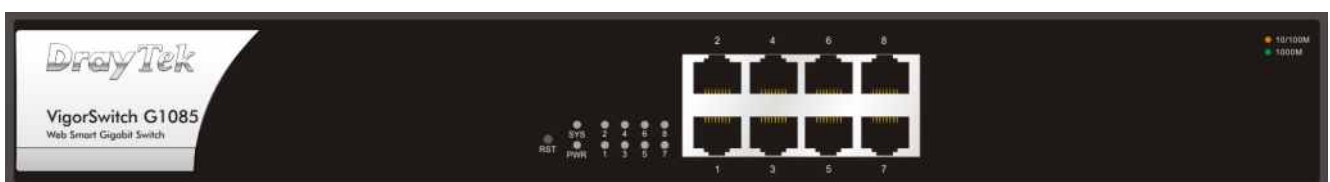
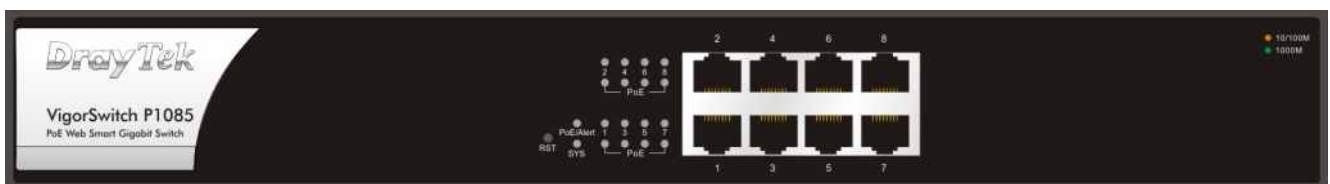
### VigorSwitch P1085

8 x PoE GbE

PoE/PoE+ Gigabit Ethernet,  
RJ-45

140 watts

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.



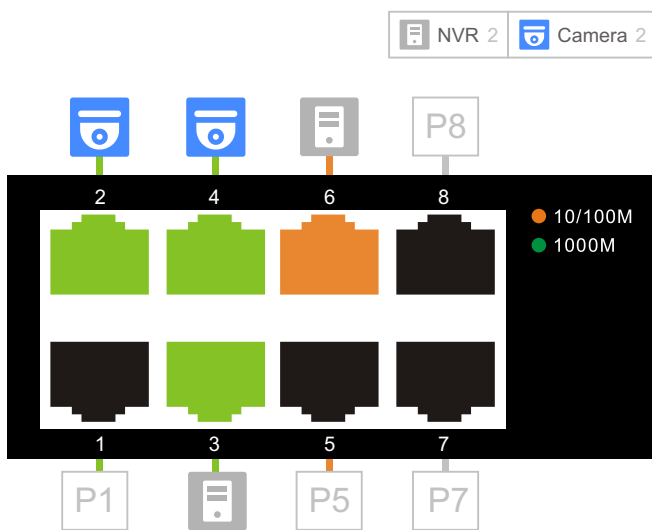
## PoE Device Check (P1085)

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.



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



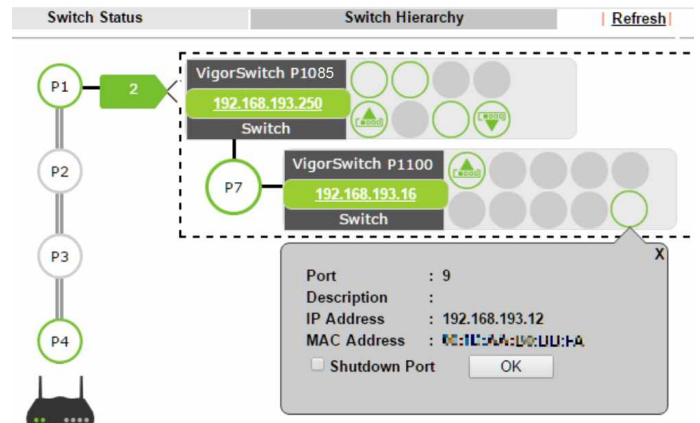
## QoS (Quality of Service)

Improve the performance of critical traffic by prioritizing the traffic with CoS, DSCP, and IP Precedence tag.



## Central Switch Management

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



## 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.



## 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 Capable Ports	8
PoE Standards	PoE/PoE+ (802.3af/802.3at), Type mode A
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	•
Managed by VigorConnect	•
Managed by VigorACS 2*	• *(future support)
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