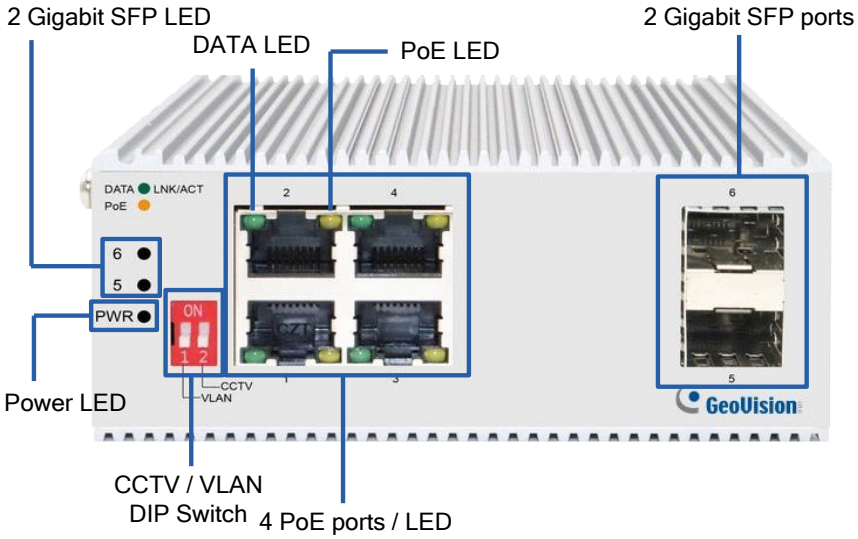
GV-APOE0410-E 4-Port Gigabit 802.3at and 2-Port Gigabit SFP Industrial PoE Switch

Packing List

1. GV-APOE0410-E
2. Terminal Block x 2
3. Download Guide

Note: If any of these items is found missing or damaged, please contact your local supplier for replacement.

Front Panel



LED Indicator

Name	Status	Description
PWR LED	Green on	The power is on.
	Off	The power is off.
DATA LED	Green on	A network device is detected and links up.
	Blink	The Switch is sending or receiving data over the PoE ports.
	Off	No device is connected.
PoE LED	Orange on	A network device is connected and the power supply is successful.
	Blink	The PoE supply is abnormal.
	Off	No network device is connected.
2 Gigabit SFP LED	Green on	The Gigabit SFP port links up.

DIP Switch

Name	Status	Description
CCTV / VLAN DIP Switch	CCTV/VLAN off	Normal.
	CCTV on	Transmission distance is extended to 250 m (820 ft) and the transmission rate is reduced to 10 Mbps.
	VLAN on	Ports 1 ~ 4 and 5/6 are divided into a separate VLAN.
	CCTV/VLAN on	Transmission distance is extended to 250 m (820 ft) at a rate of 10 Mbps and ports 1 ~4 and 5/6 are divided into a separate VLAN.

VLAN Mode

VLAN isolation mode divides ports 1~4 and ports 5/6 of the switch into a separate VLAN. Ports 1~4 can only communicate with 5/6. Ports 1~4 cannot communicate with each other to ensure the security of the network. In this mode, please connect port 5/6 to a central switching device.

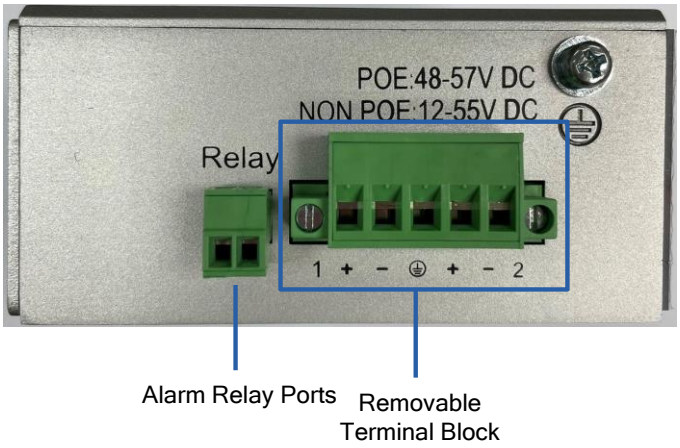
CCTV Mode

The transmission rate of the port in this mode is reduced to 10Mbps and the transmission distance is extended to 250 m, which can solve the problem of long-distance transmission in network monitoring projects and can replace optical fibers and network extenders, solving the problem of difficult ultra-remote power extraction and reducing engineering wiring costs.

Note:

1. After switching between CCTV / VLAN modes, the system will automatically restart for the change of mode to take effect.
2. To smoothly remove the transceivers from the SFP ports, tilt the ends of the transceivers upward for port No. 6 and downward for port No. 5.

Side Panel



The GV-APOE0410-E is featured with a redundant power supply for automatic power backup and supports alarms alerting for power and connection failure.

Power Supply

With DC power cables wired to both **Power 1** and **Power 2** on the terminal block, one of the power supplies provides backup power to be automatically switched to when the other fails.

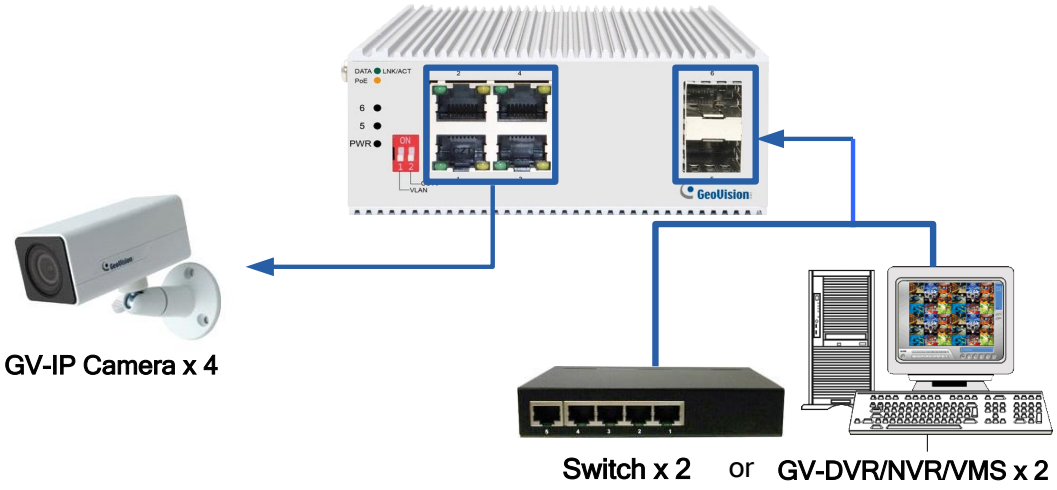
Alarm Relay

With an alarm device wired to the alarm relay ports, when any of the power supplies fails or when the system startup or input power abnormal events occur, an alarm can be timely triggered.

Terminal Block	Power 1	Connect to DC power input (48V ~ 57V DC)
	Power 2	Connect to DC power input (48V ~ 57V DC)
Alarm Relay Ports	Connect to an alarm output	

Connecting up to 4 GV-IP Cameras and 2 GV-DVR / NVR / VMS

Through twisted pair cables, this switch can be connected to up to 4 GV-IP Cameras and 2 GV-DVR / NVR / VMS. You can also extend the connections by connecting to other switches.



Note: To ensure the stability and distance of PoE power transmission, always use 8-core all-copper 0.5 or above national standard cables.

Specifications

See the datasheet for detailed specifications of the Switch.