![GeoVision Inc logo]

GV-APOE0400 6-Port 10/100 Mbps Unmanaged PoE Switch with 4-Port PoE

1. Packing List

1. GV-APOE0400
2. AC Power Cord
3. Rubber Feet x 4

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

2. Introduction

GV-APOE0400 is a 6-port 10/100 Mbps unmanaged PoE Switch with 4 PSE/PoE ports and 2 uplink ports. The switch supports IEEE 802.3at Power over Ethernet standard, with up to 32 W per port and a maximum power consumption of 65 W. In addition to not requiring special network cables for connecting your powered devices (PD), such as IP cameras, its CCTV mode also allows power supply over cables of up to 250 m (820 ft) in length, at 10 Mbps.

3. Front Panel

The front panel consists of 6 10/100 Mbps ports, 4 PoE and 2 uplink, LED indicators and the DIP switch.
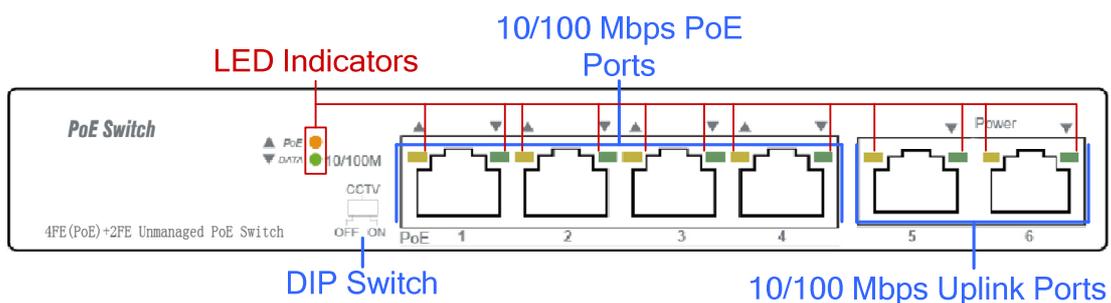
3.1 LED Indicators

LED	Color/Status	Description
Power	Off	No power supply
	Orange	System powered on
DATA	Off	No devices connected to the corresponding port
	Green	Network through the corresponding port has been successfully established
	Blinking Green	Data currently being sent through the corresponding port
PoE	Off	No PoE powered devices (PD) connected
	Orange	At least one device successfully powered through PoE
	Blinking Orange	Abnormal power supply

3.2 DIP Switch

The DIP switch can switch on/off the CCTV mode of the system, as explained below:

[Default Mode] The CCTV mode is switched off by default, in which power can be supplied through the 4 PoE ports over cables of up to 100 m (328 ft) with a network bandwidth of 100 Mbps per port.

[CCTV Mode] Allows power supply over cables of up to 250 m (820 ft) in length, but at the expense of reducing the network bandwidth of the 4 PoE ports to 10 Mbps per port.

Note: After switching on/off of the CCTV mode, the system must be restarted for the change of mode to take effect.

4. Rear Panel

The AC power socket for powering the system is located at the rear panel and accepts power input from 100 to 240 V at 50/60 Hz.
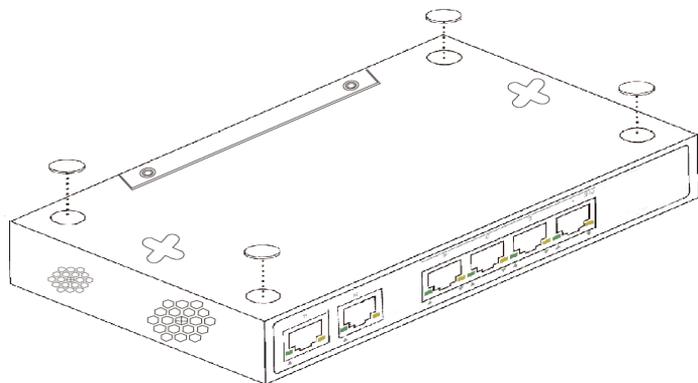
5. Installation

Prior to installing the PoE switch, please note the following:

- Only clean the switch when it is unplugged and with a dry cloth without involving any liquids.
- Do not place the switch near water or any damp area and prevent moisture from entering the switch chassis.
- Do not place the switch on an unstable surface where it may be severely damaged due to a fall.
- Ensure there is proper ventilation at the installation site and keep the ventilation of the switch free of obstruction.
- Make sure the operating voltage is consistent with as labeled on the switch.
- Do not open the chassis during operation or when there are electrical hazards in avoiding electric shocks.

5.1 Leveled Installation

To install the switch on a leveled surface, attach the four supplied rubber feet at the bottom of the switch as illustrated and place it on a leveled surface.
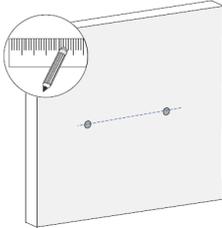

Note: Make sure to leave at least 10 cm of space around the switch for adequate ventilation.

5.2 Wall Mount Installation

For wall mount, make sure to prepare 2 screws of 4 mm in length and 5.5 ~ 7 mm in diameter and prepare 2 screw anchors of matching size.

1. Drill two evenly-leveled holes on the desired wall that are 122 mm apart.

2. Hammer the two self-prepared screw anchors into the holes on the wall.

3. Insert the two-self prepared screws into the screw anchors and tighten to the point where there are about 1.5 mm left hanging out, as illustrated.
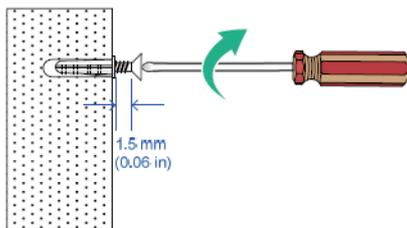
4. Hang the GV-APOE0400 onto the screws with all 6 of its port pointing downward, as illustrated.
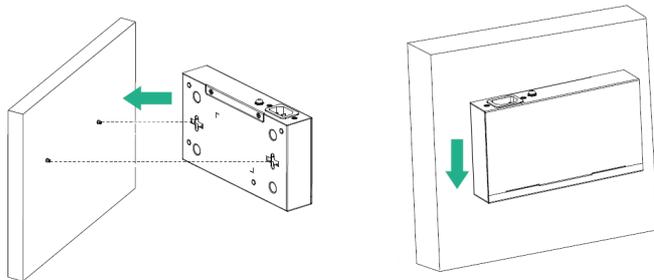
Note: Make sure to leave at least 10 cm of space around the switch for adequate ventilation.
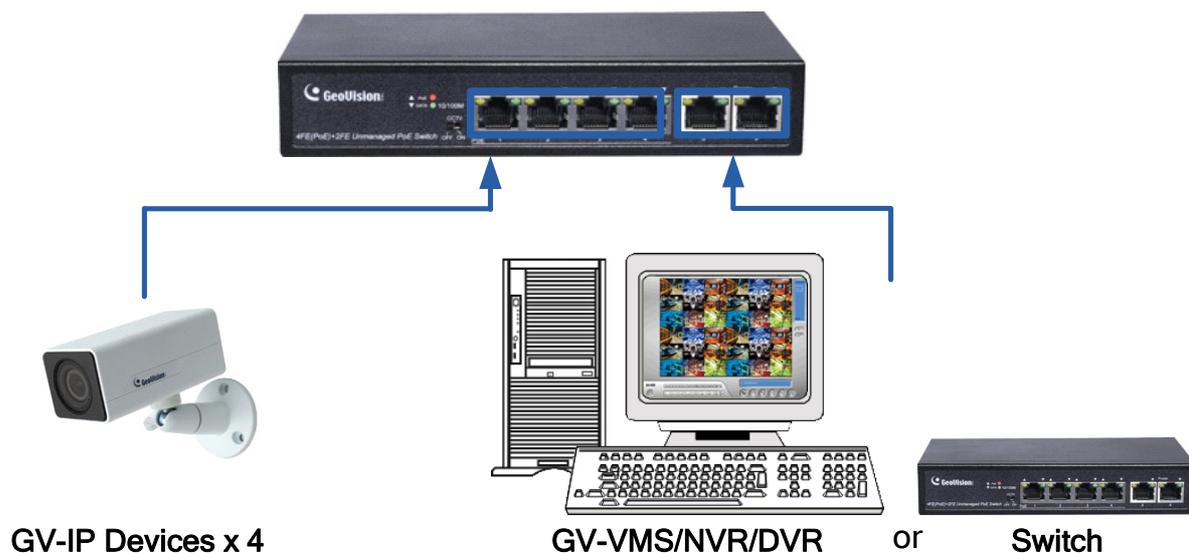
5.3 Powering On the Switch

To power on the switch, connect it to a power source using the supplied AC power cord. The device will respond as follow upon turning on:

- The Power LED will be lit.
- The DATA LED flashes momentarily, signaling system initiation.

6. Connecting up to 4 GV-IP Devices and 1 GV-VMS/DVR/NVR System

Through twisted pair cables, the switch can be connected to up to 4 GV-IP Devices and 1 GV-VMS/NVR/DVR System. You can also extend the connections by connecting to other switches.

GV-IP Devices x 4   GV-VMS/NVR/DVR   or   Switch

7. Specifications

Ethernet		
Layer Supported	L2	
Ports		
Number of Ports	6 x 10/100 RJ-45 ports:	4 x PoE+ ports
		2 x uplink ports
Performance		
MAC Address	2 K	
Buffer Memory	768 K bits	
Transmission Method	Store and Forward	
Transmission Media	10BaseT Cat. 5 UTP/STP 100BaseTX Cat. 5 UTP/STP	
Packet Forwarding Rate	0.89 Mpps	
Backplane Capacity	1.2 Gbps	
Mechanical Characteristics		
LED Indicators	Per Port: Link/Act PoE Act/Status Power	
Electrical Characteristics		
PoE Power	Input	100 ~ 240 V/AC, 50 ~ 60 Hz
	Output	IEEE 802.3at Compliant Voltage, Per Port Max. 32 watts (4 Ports at Full 15.4 W / 2 Ports at Full 30 W)
PoE Power Supply Type	End-Span (1, 2+, 3, 6-)	
Max. Power Consumption	65 W	
PoE Budget	60 W	
General		
Dimensions (H x W x D)	32 x 168 x 94 mm (1.26" x 6.61" x 3.70")	
Weight	0.5 kg (1.10 lb)	
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)	
Storage Temperature	-20°C ~ 90°C (-4°F ~ 194°F)	
Humidity	10 to 90% RH (non-condensing)	
Surge Protection	±4 KV	

GeoVision inc.

Standards and Regulatory	
Standards	IEEE‑802.3at PoE+ / PSE IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.3x Flow Control
Regulatory	CE, FCC Class A, RoHS compliant

Note: Specifications are subject to change without prior notice.