

# GV-APOE161C 16-Port Gigabit 802.3at Easy Web Smart PoE Switch



- 16-Port 10/100/1000BaseT(X) PoE+ with 2-Port SFP Uplink
- IEEE 802.3at compliant (16 Ports at Full 15.4 W / 8 Ports at Full 30 W)
- Easy Web Smart Features
- Web-based Configuration and Management
- VLAN, QoS, DSCP, IGMP Snooping, Bandwidth Control, Storm Control
- Support for PD Alive Monitor
- Support for ONVIF Detect
- PoE connection for network cables up to 250 m (820 ft) at 10 Mbps
- Max. 260 W power consumption
- 19" Rack-mount
- Up to 16 GV-IP Cameras support

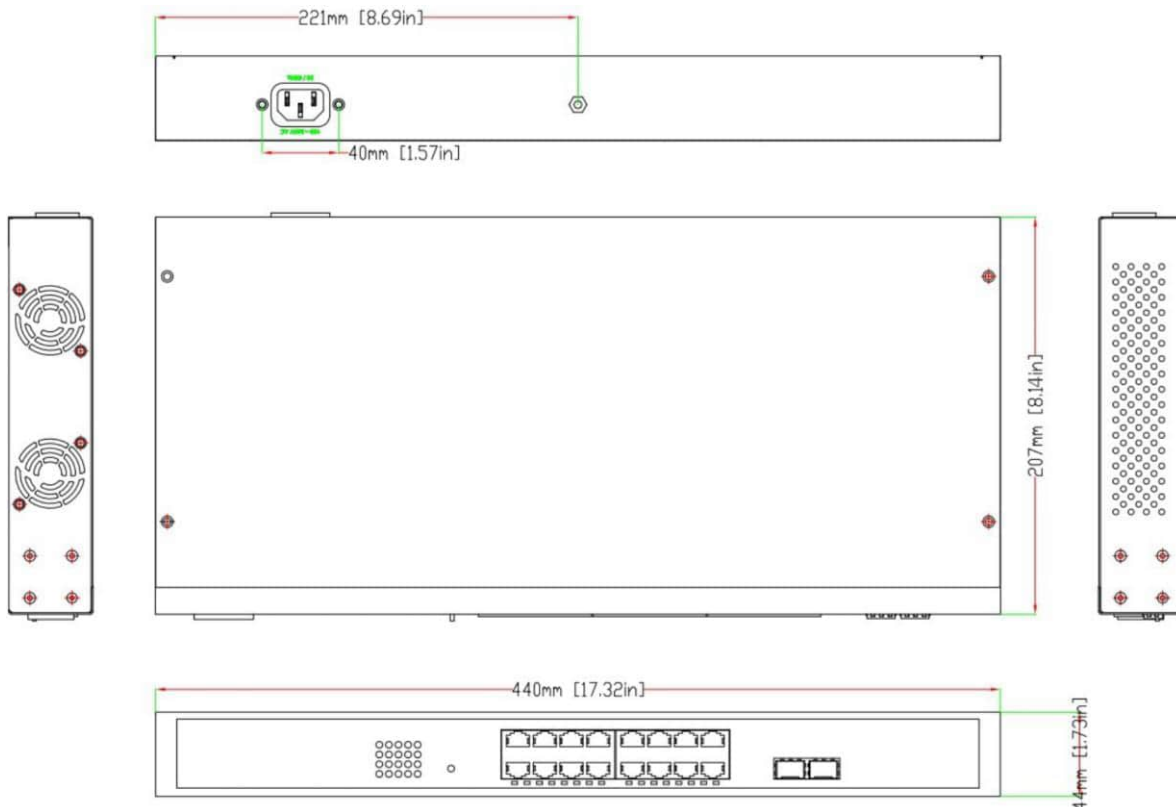
## Introduction

GV-APOE161C is a Web Smart PoE+ switch featuring 16 ports for 10/100/1000BaseT(X) and 2 SFP uplink ports.

The switch supports IEEE 802.3at Power over Ethernet standard for a maximum power consumption of 260 W. GV-APOE161C allows power supply over network cables of up to 250 m (820 ft) in length, at 10 Mbps.

Designed for medium or large network environments to strengthen its network connection and efficiency, the switch provides exceptionally smart Web management features, including VLAN, QoS, DSCP, IGMP Snooping, and more. In addition, GV-APOE161C gives you the option of installing it in a 19" cabinet with a rack-mount kit or underneath a desk.

## Dimensions



## Specifications

Ethernet		
Layer Supported	Easy Web Smart	
Ports		
Number of Ports	16-port 10/100/1000BaseT(X) with RJ-45 Connectors, PoE+ 2-port SFP Uplink	
Performance		
MAC Address	8 K, Auto-Learning, Auto-Aging	
Buffer Memory	4.1 Mbits	
Transmission Method	Store and Forward	
Transmission Media	10Base-T: UTP Cat 3 or 5 100Base-TX: UTP Cat 5 or 5e 1000Base-T: UTP Cat 5e or 6 1000Base-SX/LX: MMF, SMF	
Filtering/Forwarding Rates	26.78 Mpps	
Backplane Capacity	36 Gbps	
Smart Features		
VLAN	VLAN Basic, Config	
Network	IPv4 Dual Stack, DHCP Client	
IGMP Snooping	IGMP Snooping v1/v2	
Quality of Service (QoS)	QoS Queue Scheduling, Cos / DSCP	
DHCP	IP DHCP Snooping	
Loop Detection	Loopback Detection	
ONVIF	ONVIF Detect	
PoE Configuration	POE Global Configuration, POE Port Configuration, PD Alive Monitor	
Diagnostics	Ping, Copper Test	
Port Management	Basic config (Speed, Duplex, Flow Control), Statistics, Storm Control, Rate Limit, Port Mirror, EEE, Jumbo Frame	
Administrator Management	Basic Info, System Status, User Management, Firmware Upgrade, System Reboot, Restore Factory	
Mechanical		
LED Indicators	Per Port: Link/Act PoE Act/Status Power System	
Electrical		
PoE Power	Input	100 ~ 240 V / AC, 50 ~ 60 Hz
	Output	IEEE 802.3at Compliant Voltage, Per Port Max. 30 watts (DC 55V) (16 Ports at Full 15.4 W / 8 Ports at Full 30 W)
PoE Mode	Mode A	
Max. Power Consumption	260 W (887 BTU)	
PoE Budget	250 W (853 BTU)	
General		
Dimensions (H x W x D)	44 x 440 x 207 mm (1.73" x 17.32" x 8.14")	
Weight	3.2 kg (7.05 lb)	
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)	
Storage Temperature	-40°C ~ 70°C (-40°F ~ 158°F)	
Humidity	10% to 90% RH (non-condensing)	
Surge Protection	Differential Mode ±2 kV, Common Mode ±4 kV	
Standards and Certifications		
Standards	IEEE 802.3i - 10BaseT IEEE 802.3u - 100BaseTX IEEE 802.3ab - 1000BaseT IEEE 802.3z - 1000BaseSX/LX IEEE 802.3at - Power Over Ethernet Plus (PoE+) IEEE 802.3x - Full Duplex Ethernet Flow Control IEEE 802.1Q - VLAN IEEE 802.1p - Class of Service (CoS)	
Certifications	CE, FCC Class A, RoHS compliant, IEC 61000-4-5 Lv.5	

**Note:**

1. The switch is a plug-and-play device and compatible with all SFP modules.
2. Specifications are subject to change without notice.

**Overview**






**Front View**



**Rear View**



**Accessories**

Name	Details
GV-LC 	The SFP transceiver complies with IEEE 802.3z 1000BaseSX Ethernet, and provides the media transmission distance up to 220 / 550 m (772 / 1804 ft).
GV-LC10 	The SFP transceiver complies with IEEE 802.3z 1000BaseLX Ethernet, and provides the media transmission distance up to 10 km (6 mi).
GV-LC V2 	The SFP transceiver complies with IEEE 802.3z 1000BaseSX Ethernet, and provides the media transmission distance up to 550 m (1804 ft).
GV-LC10 V2 	The SFP transceiver complies with IEEE 802.3z 1000BaseLX Ethernet, and provides the media transmission distance up to 20 km (12 mi).
GV-TA 	The SFP transceiver complies with IEEE 802.3ab 1000BaseT Ethernet, and provides the media transmission distance up to 100 m (328 ft).

**Packing List**

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|-----------------------|-------------------|
| 1. GV-APOE161C        | 5. Screw x 8      |
| 2. Power Cord         | 6. User Guide     |
| 3. Rack Mount Kit x 2 | 7. Download Guide |
| 4. Rubber Feet x 4    |                   |