GV-APOE1611   16-Port Gigabit 802.3at Web Management PoE Switch
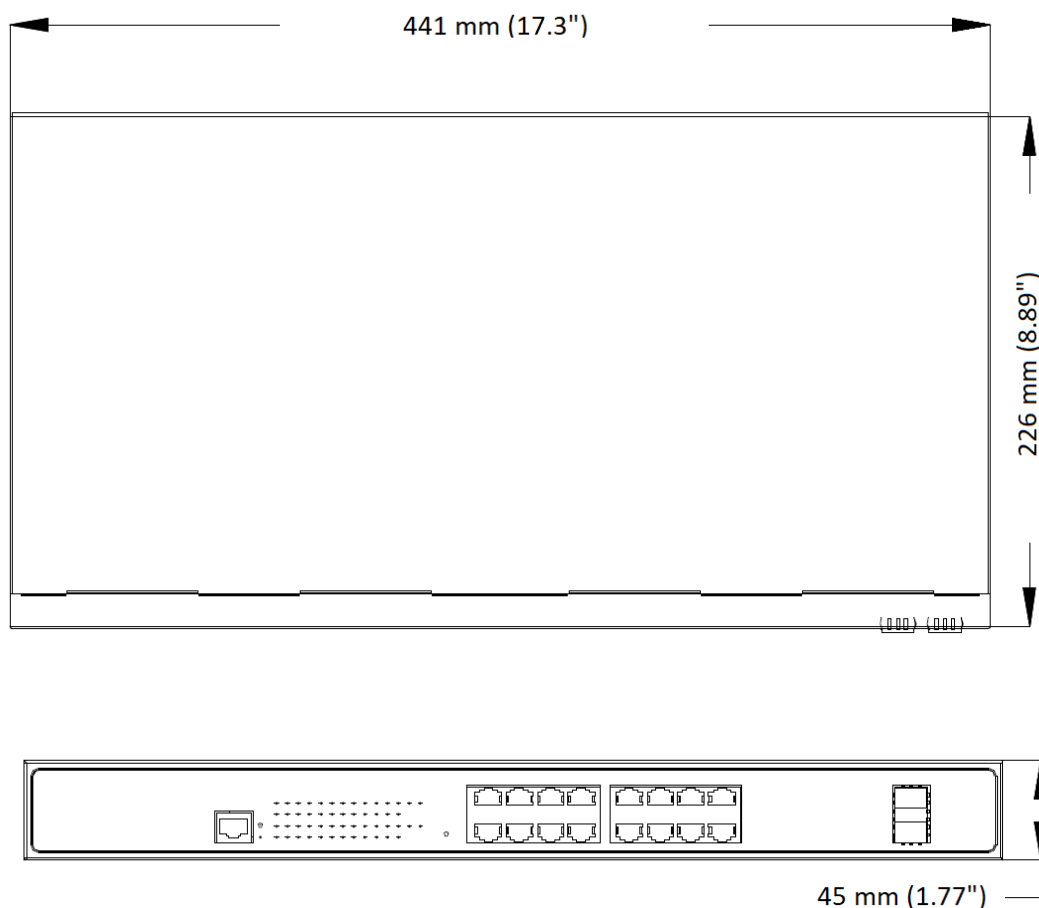
- 16-Port 10/100/1000BaseT(X) PoE+ with 2 SFP Uplink Ports
- IEEE 802.3at Compliant (16 Ports at Full 15.4 W)
- Web-based Configuration and Management
- VLAN, QoS, DSCP, RSTP, IGMP Snooping, Link Aggregation, LACP, Port Security, Bandwidth Control, Storm Control
- Support for PD Alive Monitor
- Support for ONVIF Discover
- PoE connection for network cables up to 250 m (820 ft) at 10 Mbps transfer rate
- Max. 330 W power consumption
- 19" Rack-mount
- Up to 16 GV-IP Cameras support

Introduction

GV-APOE1611 is a 16-Port 10/100/1000BaseT(X) PoE+ Web Smart PoE Switch with 2 SFP uplink ports. The switch supports IEEE 802.3at Power over Ethernet standard for a maximum power consumption of 330 W. While no special network cables are required for connecting to your powered devices (PD), such as IP cameras, GV-APOE1611 also allows power supply over network cables of up to 250 m (820 ft) in length, at 10 Mbps.

Designed for medium or large network environment to strengthen its network connection and efficiency, the switch provides exceptionally smart Web management features, including VLAN, QoS, RSTP, IGMP Snooping, LACP, Port Security and more. In addition, GV-APOE1611 gives you the option of installing it in a 19" cabinet with a rack-mount kit or underneath a desk.

Dimensions

441 mm (17.3")

226 mm (8.89")

45 mm (1.77")

Specifications

Ethernet	
Layer Supported	L2

Ports	
Number of Ports	16-port 10/100/1000BaseT(X) with RJ-45 Connectors, PoE+ 2-port SFP Uplink Port

Performance	
MAC Address	8 K, Auto-Learning, Auto-Aging
Buffer Memory	4 M bits
Transmission Method	Store and Forward
Transmission Media	10/100BaseT(X) Cat. 5 UTP/STP 1000BaseT Cat. 5e, 6 UTP/STP
Filtering/Forwarding Rates	10BaseT: 14,881 pps/port 100BaseTX: 148,810 pps/port 1000BaseT: 1,488,095 pps/port
Backplane Capacity	36 Gbps

Smart Features	
VLAN	VLAN Basic, Config, Voice VLAN, Protocol VLAN, MAC VLAN, GVRP, Surveillance VLAN
Network	IPv4 / IPv6, DHCP Client / DHCPv6 Client
IGMP Snooping	IGMP Snooping / Filter, MLD Snooping, MVR
Link Aggregation	Load Balance, LAG, LACP
Quality of Service (QoS)	QoS Queue Scheduling, Cos / DSCP / IP Precedence Mapping
ARP	IP Source Guard, Dynamic ARP Inspection, DoS
DHCP	IP DHCP Snooping, Option82
STP	STP / MSTP / RSTP, BPDU Guard, BPDU Filter
SNMP	SNMP Community, SNMP View, SNMP Trap, SNMP (V1, V2C, V3)
RMON	RMON (1, 2, 3, 9)
ACL	MAC ACL / ACE, IPv4 ACL / ACE, IPv6 ACL / ACE
AAA	TACACS+, Radius, AAA
Discovery	LLDP, MED
ONVIF	ONVIF Detect, ONVIF Discover, ONVIF Server
PoE Configuration	POE Global Configuration, POE Port Configuration, PD Alive Monitor
Diagnostics	Ping / Ping6, Traceroute, Copper Test, DDMI
Port Management	Basic config (speed, duplex, flow control), Statistics, Storm Control, Rate Limit, Port-Security, Port Mirror, Port Protected, EEE, Jumbo Frame
Administrator Management	Basic info, System Status, User Management, SNTP, Import/Export Config, Firmware Upgrade, System Reboot, Restore Factory

Mechanical Characteristics	
LED Indicators	Per Port: Link/Act PoE Act/Status Power System

Electrical Characteristics		
PoE Power	Input	100 ~ 240 V/AC, 50 ~ 60 Hz
	Output	IEEE 802.3at Compliant Voltage, Per Port Max. 32 watts (16 Ports at Full 15.4 W / 9 Ports at Full 32 W)
PoE Power Supply Type		End-Span
Max. Power Consumption		330 W
POE Budget		300 W

General	
Dimensions (H x W x D)	45 x 441 x 226 mm (1.77" x 17.3" x 8.89")
Weight	4.38 kg (9.65 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)
Standards and Regulatory	
Standards	IEEE 802.3 10BaseT, IEEE 802.3u 100BaseTX, IEEE 802.ab 1000BaseT, IEEE 802.3z 1000BaseSX/LX IEEE 802.3x Full-duplex and Flow Control IEEE 802.3ad Link Aggregation Control Protocol IEEE 802.1Q VLAN IEEE 802.1p Class of Service IEEE 802.1D Spanning Tree Protocol IEEE 802.1w Rapid Spanning Tree Protocol IEEE 802.1s Multiple Spanning Tree Protocol IEEE 802.1X Port-based Network Access Control IEEE 802.3at Power Over Ethernet (PoE+)
Regulatory	CE, FCC Class A, RoHS compliant

Note:

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

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.
GV-LC10		The SFP transceiver complies with IEEE 802.3z 1000BaseLX Ethernet, and provides the media transmission distance up to 10 km.

Packing List

1. GV-APOE1611 x 1
2. Power Cord x 1
3. Screws x 8
4. Rack Mount Kit
5. Rubber Feet x 4