

GV-APOE4813 48-Port Gigabit Web Management PoE Switch



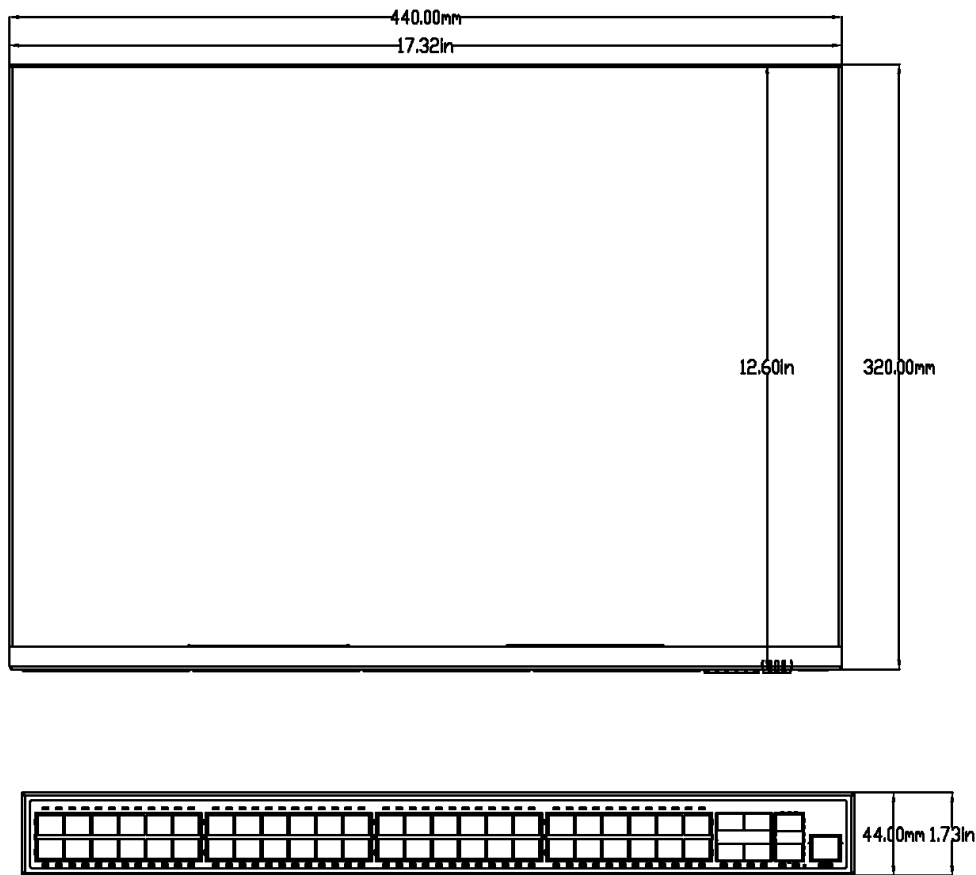
- 48-Port 10/100/1000BaseT(X) PoE+ with 6 SFP+ Uplink Ports
- IEEE 802.3at compliant (32 Ports / AC 110 V & 38 Ports / AC 220 V at Full 15.4 W)
- PoE Budget 500 W / AC 110 V & 600 W AC 220 V
- L3 Web-based configuration and management
- VLAN, QoS, DSCP, RSTP, IGMP Snooping, Link Aggregation, LACP, Port Security, Bandwidth Control, Storm Control
- PD Alive Monitor
- ONVIF Discover
- PoE Schedule
- PoE connection for network cables up to 250 m (820 ft) at 10 Mbps transfer rate
- 19" Rack-mount
- Up to 48 GV-IP Cameras support

Introduction

GV-APOE4813 is a 48-Port 10/100/1000BaseT(X) PoE+ Web Smart PoE Switch with 6 SFP+ uplink ports and supports IEEE 802.3at Power over Ethernet standard. It not only eliminates the need for power cables to connect your powered devices (PD), such as IP cameras, but it also allows power supply over cables up to 250 m (820 ft) in length, at 10 Mbps.

Perfect for medium or large network environments to strengthen 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-APOE4813 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	L3
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Ports

Number of Ports	48-port 10/100/1000BaseT(X) with RJ-45 Connectors, PoE+ 6-port 10 Gbps SFP+ Fiber-optic module expansion slots 1 Console port
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Performance

MAC Address	32 K, Auto-Learning, Auto-Aging
Buffer Memory	16 M bits
Jumbo Frames	12 KB
Transmission Method	Store and Forward
Transmission Media	10BaseT Cat. 3, 4, 5 UTP 100BaseTX Cat. 5 and over UTP 1000BaseFX Cat. MMF, SMF 1000BaseX Cat. MMF, SMF
Filtering/Forwarding Rates	160.71 Mpps
Backplane Capacity	216 Gbps
PD Alive Monitor	Yes
CCTV	Yes *When the CCTV function is enabled, PoE connection network cables can be extended up to 250 m (820 ft) at 10 Mbps transmission rate

Smart Features

VLAN	Management VLAN, Private VLAN, Voice VLAN, Surveillance-VLAN Q-in (Double Tag), 802.1v Protocol VLAN, MAC-Based VLAN
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System Settings	Basic info, System Status, User Management, SNTP, Import/Export Config, Firmware Upgrade, System reboot/Restore Factory
Network	IPv4 / IPv6, DHCP Client / DHCPv6 Client
Port	IEEE 802.3ad with LACP, Static Trunk, EEE, Jumbo Frame, Error- Disable
IGMP Snooping	IGMP Snooping V1/V2/V3, MLD Snooping V1/V2, IGMP Proxy, Fast Leave, MVR
Link Aggregation	Static, Load Balance, LAG, LACP, Max groups and ports per group
Mac Address Table	MAC Address Size, MAC Aging, MAC Filter, MAC Notification
Quality of Service (QoS)	QOS Apply: Port Based, 802.1p, CoS, DSCP, IP Precedence, TCP/UDP (IPv4/IPv6), QOS Scheduling: WRR, Strict Priority, DSCP & CS, IPv4 Qos (QCEs), IPv6 Qos (QCEs)
ARP	Static ARP, APR Prevention, IP Source Guard, Dynamic ARP Inspection
DHCP	IP DHCP Snooping, Option82, 43, 60, 61, 67
STP	STP Root Guard, BPDU Guard, Loop Detection
SNMP	SNMP Community, SNMP View, SNMP Trap, SNMP (V1, V2C, V3)
RMON	RMON (1, 2, 3, 9)
ACL	L2+/L3/L4, IPv6 Support, Management Access List
AAA	TACACS+, Radius
Discovery	LLDP (802.1ab), LLDP-MED
ONVIF	ONVIF Detection, ONVIF Server (NLM)
PoE Configuration	PoE Port Configuration, PoE Delay, PD Alive Monitor, PoE Schedule
Diagnostics	IPv6 Ping, Traceroute, Cable 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
System Log	Logging Management, Debug
L3 Management	RIP, OSPF Support

Mechanical Characteristics

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

PoE Power	Input	AC 100 ~ 240 V, 50 / 60 Hz
	Output	IEEE 802.3at Compliant Voltage, Per Port Max. 30 watts (32 Ports / AC 110 V & 38 Ports / AC 220 V at Full 15.4 W)
PoE Mode		Mode A (1, 2 + / 3, 6 -)
Max. Power Consumption		850 W (2900 BTU)
PoE Budget		500 W / AC 110 V (1706 BTU) & 600 W / AC 220 V (2047 BTU)
Fan		5 pcs

General	
Dimensions (H x W x D)	44 x 440 x 330 mm (1.73" x 17.32" x 12.9")
Weight	5.6 kg (12.3 lb)
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-40°C ~ 70°C (-40°F ~ 158°F)
Humidity	10 ~ 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 802.3af - Power Over Ethernet (PoE) IEEE 802.3at - Power Over Ethernet Plus (PoE+) IEEE 802.3x - Full Duplex Ethernet Flow Control IEEE 802.3ad - Link Aggregation Control Protocol (LACP) IEEE 802.3bz - 2.5 G Base-T and 5 G Base-T IEEE 802.3ae - 10 Gigabit Ethernet Over Fiber IEEE 802.1Q - VLAN IEEE 802.1p - Class of Service (CoS) IEEE 802.1D - Spanning Tree Protocol (STP) IEEE 802.1w - Rapid Spanning Tree Protocol (RSTP) IEEE 802.1X - Port-Based Network Access Control (PNAC)
Certifications	CE, FCC Class A, UKCA, 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.

Front View



Accessories

Name		Details
GV-LCSMF-10		The SFP+ transceiver complies with IEEE 802.3ae 10GbaseER Ethernet, and provides the media transmission distance up to 40 km (25 mi).
GV-LCMMF-10		The SFP+ transceiver complies with IEEE 802.3ae 10GbaseSR Ethernet, and provides the media transmission distance up to 300 m (984 ft).
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).

Packing List

1. GV-APOE4813
2. Power Cord
3. Screw x 8
4. Rack Mount Kit
5. Rubber Feet x 4