

GV-APOE4813 48-Port Gigabit Web Management PoE Switch



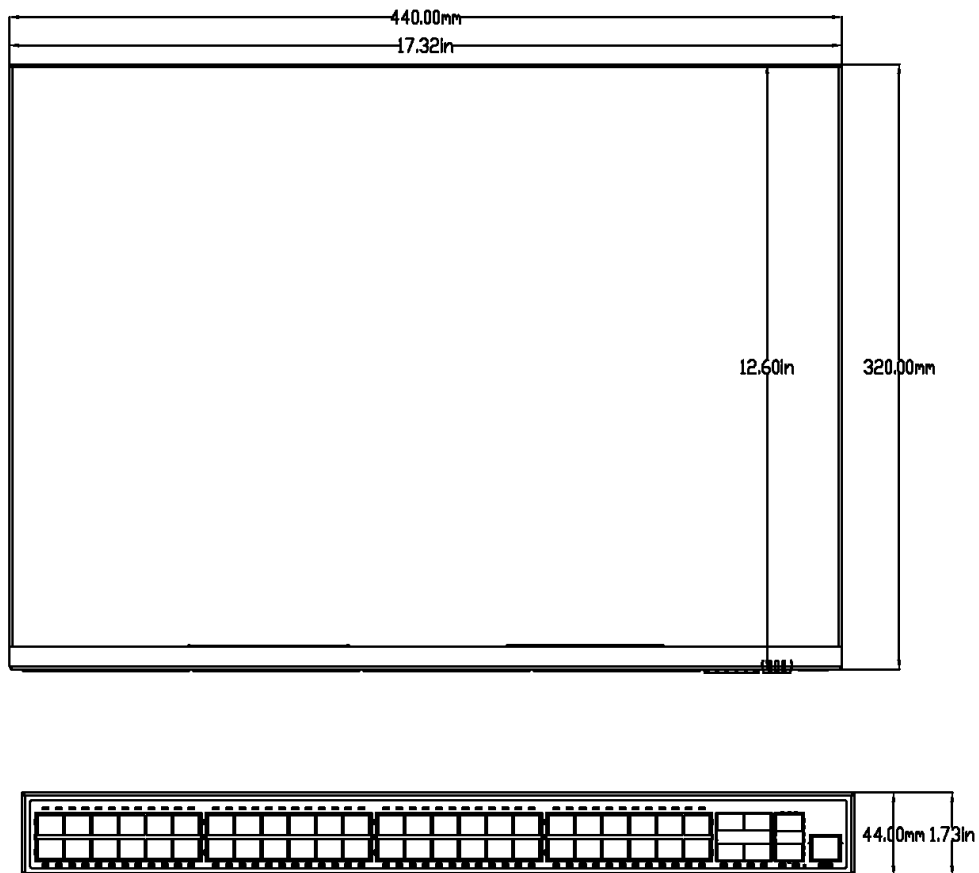
- 48-Port 10/100/1000BaseT(X) PoE+ with 6 SFP+ Uplink Ports
- IEEE 802.3at compliant (32 Ports / AC 110 V & 38 Ports / AC 220 V at Full 15.4 W)
- PoE Budget 500 W / AC 110 V & 600 W AC 220 V
- L3 Web-based configuration and management
- VLAN, QoS, DSCP, RSTP, IGMP Snooping, Link Aggregation, LACP, Port 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 |
|-----------------|----|

Ports

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|-----------------|---|
| 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 |
|-----------------|---|

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

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|------|--|
| VLAN | Management VLAN, Private VLAN, Voice VLAN, Surveillance-VLAN Q-in (Double Tag), 802.1v Protocol VLAN, MAC-Based VLAN |
|------|--|

| | |
|--------------------------|---|
| 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

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|----------------|---|
| LED Indicators | Per Port: Link/Act PoE Act/Status Power System |
|----------------|---|

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 330 x 440 mm (1.73" x 12.9" x 17.32") |
| 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 ±2KV, Common mode ±4KV |
| Standards and Certifications | |
| Standards | IEEE 802.3at PoE+ / PSE IEEE 802.3af PoE IEEE 802.3z 1000BaseX IEEE 802.3ab 1000BaseT IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.3x Full-duplex and Flow Control IEEE 802.1X Port-based Network Access Control IEEE 802.1p VLAN IEEE 802.3p Class of Service IEEE 802.3d Spanning Tree Protocol IEEE 802.1w Rapid Spanning Tree Protocol IEEE 802.3ad Link Aggregation Control Protocol IEEE 802.3bz 2.5 G Base-T and 5 G Base-T IEEE 802.3ae 10 Gigabit Ethernet over fiber |
| Certification | CE, FCC Class A, UKCA, 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.

Front View



Accessories

| Name | Details |
|-------------|--|
| GV-LCSMF-10 |  <p>The SFP+ transceiver complies with IEEE 802.3ae 10GbaseER Ethernet, and provides the media transmission distance up to 40 km.</p> |
| GV-LCMMF-10 |  <p>The SFP+ transceiver complies with IEEE 802.3ae 10GbaseSR Ethernet, and provides the media transmission distance up to 300 m.</p> |

Packing List

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