

GV-APOE0812-E 8-Port Gigabit L2+ Web Management Industrial PoE Switch



- 8-Port 10/100/1000BaseT(X) PoE+ with 2 SFP and 2 Gigabit Uplink Ports
- IEEE 802.3at compliant (8 Ports at Full 30 W)
- VLAN, QoS, RSTP, IGMP Snooping, IPV4, IPV6, Static Routing, Static ARP, DHCP Server, 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
- Max. 240 W PoE Budget
- Extreme temperature tolerance (-40 °C ~ 75 °C / -40 °F ~ 167 °F)
- Up to 8 GV-IP Cameras support

Introduction

GV-APOE0812-E is an industrial-grade, L2+ web-managed PoE switch, featuring 8-Port 10/100/1000BaseT(X) PoE+, 2 SFP, and 2 Gigabit uplink ports. Supporting the IEEE 802.3at Power over Ethernet standard, it delivers a total power budget of up to 240 W.

By eliminating the need for dedicated power cables, the switch simplifies the deployment of powered devices (PD) such as IP cameras. It also features an extended transmission mode, enabling power and data delivery over network cables up to 250 m (820 ft) at 10 Mbps.

Perfect for medium-to-large network environments to strengthen network connection and efficiency, the switch provides exceptional Web-smart management capabilities to optimize your infrastructure.

Specifications

Ethernet	
Layer Supported	L2+ (DHCP Server, Static Routing, Static ARP)
Ports	
Number of Ports	8-port 10/100/1000BaseT(X) with RJ-45 Connectors, PoE+ 2-port 10/100/1000BaseT(X) with RJ-45 Connectors 2-port SFP Uplink Port 1 Console Port (Not functional)
Performance	
MAC Address	8 K, Auto-Learning, Auto-Aging
Buffer Memory	4.1 Mbits
Transmission Method	Store and Forward
Transmission Media	10Base-T: Cat 3, 4, 5 UTP 10/100Base-T(X): Cat 5 UTP 1000Base-T: Cat 5e, 6 UTP 100Base-FX: MMF, SMF 1000Base-X: MMF, SMF
Filtering/Forwarding Rates	17.86 Mpps
Backplane Capacity	24 Gbps
Smart Features	
MAC Address Table	MAC Aging Time, MAC Filter, MAC Notification
Basic Management	Telnet/SSH, HTTP/HTTPS, SSL/TLS, FTP/TFTP, Syslog, SNMP(v1/v2c/v3), SNMP Trap, SNTTP/NTP, CPU protect, Software/Hardware Watchdog, Firmware Upgrade/Backup, Ping/Traceroute
Port Config	Bandwidth Control, Flow Control, EEE, MTU, CFM, EFM OAM, DDM, Storm Control, Port Isolation, Port Security, Virtual Cable Test, ULDP/Cisco UDLD
Discovery	LLDP, LLDP-MED
VLAN	IEEE 802.1Q (4K VLANs), Access/Trunk/Hybrid, Private VLAN, VLAN Filter, MAC-Based VLAN, Protocol-Based VLAN, IP Subnet-Based VLAN, Voice VLAN, GVRP/GMRP, QinQ/Selective QinQ/Flexible QinQ, VLAN Translation/N:1 VLAN Translation, Guest VLAN
Network Loop Detection	Loopback Detection, ERPS
Spanning Tree	STP/RSTP/MSTP (supports 64 instances), BPDU Guard, BPDU Tunneling, Root Guard
ARP	ARP Scanning Prevention, ARP Spoofing Prevention, ARP Guard, Gratuitous ARP, Dynamic ARP Inspection, ARP Quantity Control
IPv4 Related Function	ICMP, Multicast Control, Multicast VLAN, IGMP, DHCP
IPv6 Related Function	IPv6 Basic, DHCPv6, IPv6 Multicast Routing, IPv6 Features
Quality of Service (QoS)	Basic, Scheduling, PolicyMap Stream, Policing, Rewriting, Queuing
ACL	IP ACL, MAC ACL, IP-MAC ACL, User-defined ACL, ACL Features
Security	IEEE 802.1X, MAB, MAC Address Count Limit, IP Address Count Limit, Access Management, DoS Attack Prevention, TACACS+, RADIUS, SSL
ONVIF	ONVIF Detect, ONVIF Discover, ONVIF Server
Redundancy Related Function	MRPP, ULPP, ULSM
Mirror	One-to-One, Many-to-One, CPU-Based Mirroring, Flow-Based Mirroring, RSPAN, Port-Based Mirroring (supports ingress, egress, and both)
Port Management	ON/OFF Config, PD Alive Checking, 7/24 On/Off Scheduling
L2+ Features	DHCP Server, Static Routing, Static ARP
Power over Ethernet	
PoE Standard	IEEE 802.3af/at compliant
PoE Max Power per Port	30 W (8 Ports at Full 30 W)
PoE Power Budget	240 W
PoE Mode	Mode A
Mechanical	
LED Indicators	P1 (Green), P2 (Green), STA (Green), Alarm (Green), LNK/ACT (Green/Yellow), PoE (Green)

General	
Dimensions (H x W x D)	50 x 171 x 120 mm (1.97" x 6.73" x 4.72")
Weight	1.024 kg (2.26 lb)
Fan Quantity	Fanless
Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)
Storage Temperature	-40°C ~ 80°C (-40°F ~ 176°F)
Humidity	10% to 90% RH (non-condensing)
Surge Protection	Differential Mode ±2 kV, Common Mode ±4 kV
Power Requirements	
Power Input	P1 and P2, 9-57V / DC, 50~60 Hz
Max Power Consumption	245 W
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 Plus (PoE) IEEE 802.3at - Power Over Ethernet Plus (PoE+) IEEE 802.3az - Energy Efficient Ethernet (EEE) IEEE 802.3x - Full-Duplex Ethernet Flow Control IEEE 802.1Q - VLAN IEEE 802.1v - Protocol VLAN IEEE 802.1p - Class of Service (CoS) IEEE 802.1D - Spanning Tree Protocol (STP) IEEE 802.1w - Rapid Spanning Tree Protocol (RSTP) IEEE 802.1s - Multiple Spanning Tree Protocol (MSTP) IEEE 802.3ad - Link Aggregation Control Protocol (LACP) IEEE 802.1AB - Link Layer Discovery Protocol (LLDP) IEEE 802.1X - Port-Based Network Access Control (PNAC), including Extensible Authentication Protocol - Transport Layer Security (EAP-TLS)
Certifications	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.

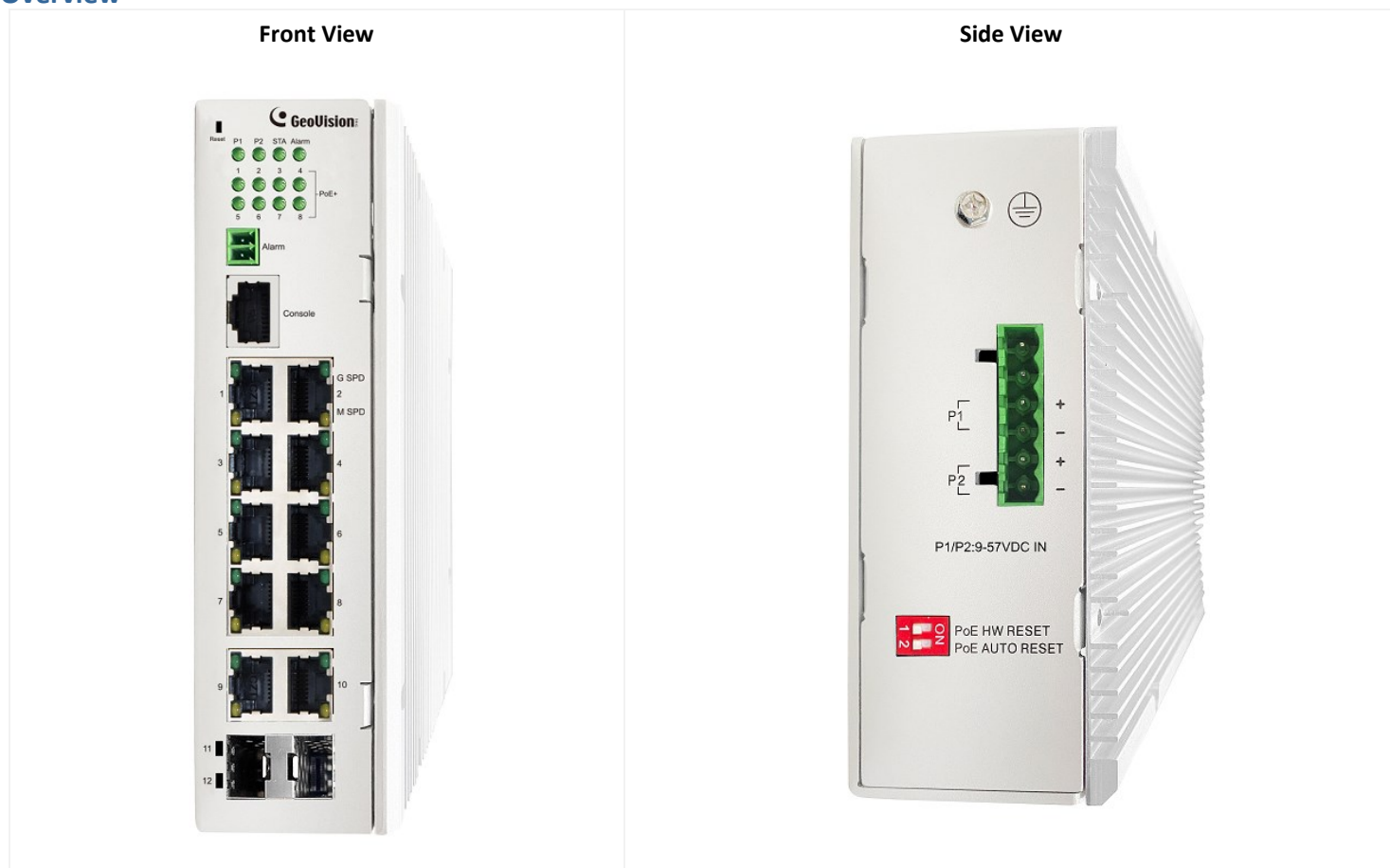
Packing List

1. GV-APOE0812-E
2. Terminal Block x 2
3. Rack Mount Kit x 2
4. Screw x 4
5. Download Guide

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).
	
Power Adapter	Contact our sales representatives for the countries and areas supported.

Overview



Dimensions

