

# EL-IG8E2G-POE

Industrial FIBER OPTIC POE L2 Switch



## Description

This product is L2 Switch, which is delivered to 10/100/1000Mbps PoE 8 Port and transmitted to optical cable using Giga SFP 2Port. In the transmitter and receiver, LED for Ethernet input / output display is attached, so it is possible to visually confirm communication without additional equipment. Eight Ethernet ports can be expanded without HUB and can be managed in various modes through Web and SNMP. Port-specific Power Over Ethernet (PoE) function is built-in to power PD equipment.

## Features

- 8 Port 10/100/1000Base-T + 2 (100M/1G) SFP L2 Plus Managed POE+ Switch.
- Supports Manageability, Security, QoS
- 20G backplane bandwidth.
- SNMP v1/v2 RMON(groups1,2,3,9), Telnet, CLI, WEB Management.
- Supports STP(802.1D) and RSTP(802.1W)
- Supports Switching features including 802.1Q VLAN, Mirroring, Port isolation, IGMP Snooping, DHCP Snooping, LLDP, POE+ management, IP Source Guard, ARP inspection, ACLs
- Jumbo frames support up to 9.6K kilobytes
- IEEE 802.3af and IEEE 802.3at PoE support, depending on port configuration
- Full-Duplex, Half-Duplex mode Auto-negotiation
- IEEE802.3 10Base-T, 802.3u 100Base-TX and 100Base-FX,802.3ab 1000Base-TX
- Supports Point To Point and Linear Add/Drop , Ring topology
- Apply lightning protection element TSS(Thyristor Surge Suppressor)
- G.8032 ERPS, protection and recovery switching within 50 ms
- DC 48V, Apply polarized protection circuits.
- Din Rail

## Option

### SFP BI-DI Transceiver

Model	Wavelength	Data Speed	Distance	Source	Optic Power	Sensitivity(dBm)	Connector Type
ELP3F5-11-25	1310/1550nm	1.25G	20Km	FP	-10 ~ -3	PIN < -22	LC/PC
ELP5D5-11-25	1550/1310nm	1.25G	20Km	DFP	-10 ~ -3	PIN < -22	LC/PC
ELP13F3-11-25	1310nm	155M	20Km	FP	-15 ~ -8	PIN < -34	LC/PC
ELP13F5-11-25	1310nm	1.25G	20Km	FP	-10 ~ -3	PIN < -22	LC/PC
ELP85V5-11-25	8500nm	1.25G	500m	FP	-5 ~ 0	PIN < -22	LC/PC

3F, A-dong, 50, ELIM Building, sanupro 155beongil, Gwonseon-Gu, Suwon-si, Gyeonggi-Do, Korea(Goseck-dong, sanup 3dang)

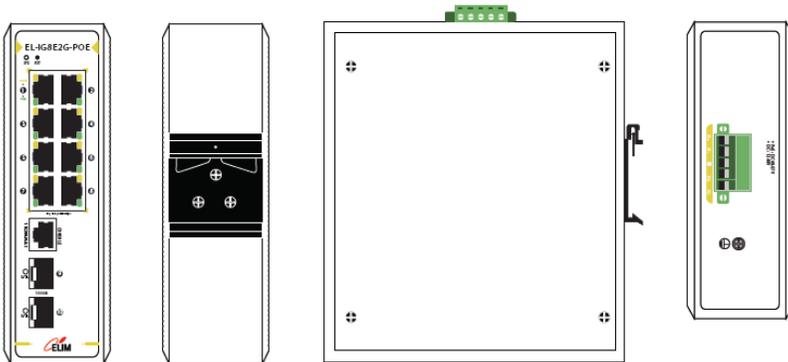
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INNOBIZ



## Dimensions



W165 x D147 x H52.5

## Specifications



<b>Standard configuration</b>	PoE 8 Port 10/100/1000M RJ-45 2 gigabit optical port 1 Console port
<b>Backplane</b>	20Gbps
<b>Spanning Tree Protocol</b>	Standard Spanning Tree 802.1d Rapid Spanning Tree(RSTP)802.1w
<b>G.8032 ERPS</b>	<50ms ring protection for industrial high reliable application.
<b>Aggregation</b>	Link Aggregation Control Protocol (LACP) IEEE 802.3ad; Up to 12 groups; Up to 16 ports per group.
<b>VLAN</b>	Support up to 4K VLANs simultaneously (out of 4096 VLAN IDs); Port-based VLAN; 802.1Q tag-based VLAN.
<b>IGMP snooping</b>	IGMP limits bandwidth-intensive multicast traffic to only the requesters; supports 1024 multicast groups.
<b>Secure Shell(SSH) Protocol</b>	SSH secures Telnet traffic in or out the switch, SSH v1 and v2 are supported
<b>Secure Sockets Layer(SSL)</b>	SSL encrypts the http traffic, allowing advance secure access to the browserbased management GUI in the switch
<b>Port Security</b>	Locks MAC Addresses to ports, and limits the number of learned MAC addresses
<b>IP Source Guard</b>	Prevents datagram with spoofed addresses from being in the network
<b>Storm control</b>	Prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on a port
<b>ACLs</b>	Support for up to 256 entries; Drop or rate limitation based on source and destination MAC, VLAN ID or IP address, protocol, port, differentiated services code point (DSCP) / IP precedence, TCP/ UDP source and destination ports, 802.1p priority, Ethernet type, Internet Control Message Protocol (ICMP) packets, IGMP packets, TCP flag
<b>Hardware Priority Queue Scheduling</b>	Support 8 hardware queues Strict priority and weighted round-robin (WRR)
<b>Classification</b>	Queue assignment based on DSCP and class of service (802.1p/CoS) Port based; 802.1p VLAN priority based; IPv4/IPv6 precedence/ type of service (ToS) / DSCP based;
<b>Rate Limiting</b>	Ingress policer ; egress shaping and rate control ; per VLAN, per port and flow based
<b>Web GUI interface</b>	Built-in switch configuration utility for browser-based device configuration Supports configuration, system dashboard, maintenance, and monitoring

<b>Dual Image</b>	Dual image provides independent primary and secondary OS files for backup while upgrading.
<b>Firmware upgrade</b>	Web browser upgrade (HTTP/ HTTPS) and TFTP; Upgrade through console port as well.
<b>Port mirroring</b>	Traffic on a port can be mirrored to another port for analysis with a network analyzer or RMON probe. Up to N-1 (N is Switch's Ports) ports can be mirrored to single destination port. A single session is supported.
<b>Other management</b>	Single IP management; HTTP/HTTPS; SSH; RADIUS; DHCP Client. SNTP; cable diagnostics; ping; syslog; Telnet client (SSH secure support)
<b>Link detection</b>	Compliant IEEE802.3az Energy Efficient Ethernet Task Force. Automatically turns off power on Gigabit Ethernet RJ-45 port when detecting link down or Idle of client. Active mode is resumed without loss of any packets when the switch detects the link up.
<b>Cable length detection</b>	Adjusts the signal strength based on the cable length. Reduces the power consumption for cables shorter.
<b>Jumbo frames</b>	Frame sizes up to 9KB supported on Gigabit interfaces.
<b>MAC Table</b>	Up to 8K MAC addresses.
<b>Link Layer Discovery Protocol</b>	Used by network devices for advertising their identities, capabilities and neighbors on a IEEE 802 local area network, principally wired Ethernet.
<b>Network security</b>	IEEE 802.1x, port-based access control, RADIUS, TACACS. Supporting DHCP snooping on the hardware. Supporting DAI and static/dynamic ARP prevention on the hardware. Supporting IP ACL, MAC ACL and VLAN ACL on hardware.
<b>Protection</b>	TSS (Thyristor Surge Suppressor)
<b>Size</b>	165*147*53.5mm
<b>Power Source</b>	Input 90~240VAC,50-60Hz Output DC 48V
<b>Power consumption</b>	130W or 250W(option) Up to 250W (including POE power supply) and supporting the 802.3af(15.4W)full load or 802.3at (30W) full load on 8 ports.
<b>Indicator</b>	Power indicator, system indicator, connection/data forwarding indicator, 10/100M indicator.
<b>Environment</b>	Working temperature : -40 ~ 80°C Storage temperature : -45 ~ 85°C Humidity: 0-90% no condensation