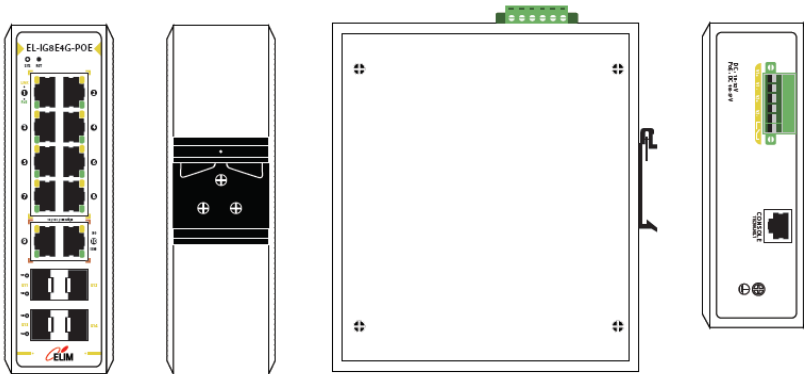


# EL-IG8E4G-POE

Industrial FIBER OPTIC L2 POE Switch



## Dimensions



W165 x D147 x H52.5

## Description

본 제품은 10/100/1000Mbps PoE 8Port + 1G 2Port 및 Giga SFP 4Port를 이용하여 광케이블로 전송하는 L2 Switch 이다.

## Features

- 8Port PoE 10/100/1000Base-T + 2port 1000 Base-LX SFP console 1Port, M12 4pin D-code L2 Plus Managed Switch.
- Manageability, Security, QoS 및 성능을 지원.
- Switching Capacity 28G
- SNMP v1/v2/v3, RMON(groups1,2,3,9), Telnet, CLI, WEB Management.
- STP(802.1D) and RSTP(802.1W) 지원.
- Switching features including 802.1Q VLAN, Mirroring, Port isolation, IGMP Snooping, DHCP Snooping, LLDP, POE+ management, IP Source Guard, ARP inspection, ACLs등의 기능 지원.
- Jumbo frames support up to 9.6K kilobytes
- 포트의 구성에 따라 IEEE 802.3af 및 IEEE 802.3at 지원
- Full-Duplex, Half-Duplex mode Auto-negotiation
- IEEE802.3 10Base-T, 802.3u 100Base-TX 및 100Base-FX,802.3ab 1000Base-TX
- Point To Point 및 Linear Add/Drop 및 Ring 지원
- G.8032 ERPS, 장애복구 <50ms 이내
- RACK TYPE 2슬롯 지원 가능.
- DC 12~48V, 극성 보호회로 적용.
- Din Rail

## Option

### SFP Transceiver

Model	파장 (nm)	데이터 속도 (G)	전송 거리 (Km)	Tx Power (dBm)	수신감도 (dBm)	Core	Cable Type	Connector Type
ELP85V5-11-25	850	1.25	0.5	-9.5 ~ -3	< -18	2	MMF	LC/PC
ELP13F5-11-25	1310	1.25	20	-9 ~ -3	< -19.5	2	SMF	LC/PC
ELP3F5-11-25	1310/1550	1.25	20	-9 ~ -3	< -19.5	1	SMF	LC/PC
ELP5D5-11-25	1550/1310	1.25	20	-9 ~ -3	< -19.5	1	SMF	LC/PC
ELP13D5-31-25	1310	10	20	-3 ~ +3	< -14.4	2	SMF	LC/PC

\* 위 SFP 모델 외 Data Rate : 155M, 1G, 2.5G, 10G 및 1 코어 2 코어 SFP 주문 가능  
\* 스위치 SFP 포트의 최대 속도를 고려하여 주문

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<b>Standard configuration</b>	PoE 10/100/1000M RJ-45 8Port + 10/100/1000M RJ-45 2Port 1G SFP 4Port 1 Console port
<b>Switching Capacity</b>	28Gbps
<b>Forwarding Rate</b>	20.83Mpps
<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) Queue assignment based on DSCP and class of service (802.1p/CoS)
<b>Classification</b>	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>	TTS (Thyristor Surge Suppressor)
<b>Size</b>	165*148*54mm
<b>Weight</b>	1.1Kg
<b>Power Source</b>	Input 90~240VAC,50-60Hz Output DC 48V
<b>Power consumption</b>	Up to 240W (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: 5-90% no condensation