EL-IG8E2G-POE(BT)

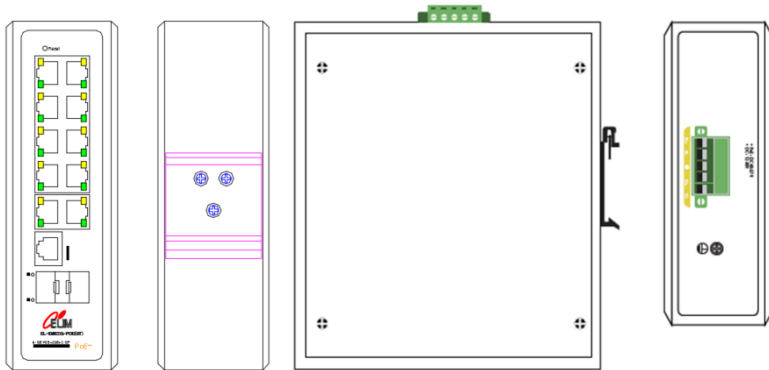*Industrial FIBER OPTIC POE L2 Switch*

Dimensions

W165 x D145 x H53.5

Description

본 제품은 기가급 BT PoE 스위치로, Gigabit 802.3af/at/bt PoE 8port, Gigabit 2port 및 1G SFP 2Port 를지원하는 L2 Switch 이다.

Features

- 10 포트 10/100/1000Base-T + 2(100M/1G) SFP L2
- Switching Capacity 24G
- SNMP v1/v2 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
- 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 <20ms 이내
- DC 52V전원이중화, 극성 보호회로 적용.
- POE(Power Over Ethernet), 802.3af(15.4W)/802.3at(30W) /802.3bt(90W) * 8Port
- 포트별 낙뢰방지 보호소자 TTS(Thyristor Surge Suppressor) 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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Standard configuration	10/100/1000M RJ-45 PoE 8Port + NonPoE 2Port optical 2Port, Console 1Port
Switching / Forwarding	24Gbps / 17.86Mpps
Spanning Tree Protocol G.8032 ERPS	Spanning Tree 802.1d Rapid Spanning Tree(RSTP)802.1w, MSTP(802.1s) <20ms ring protection for industrial high reliable application.
Aggregation	Link Aggregation Control Protocol (LACP) IEEE 802.3ad; Up to 12 groups; Up to 16 ports per group.
VLAN	Support up to 4K VLANs simultaneously (out of 4096 VLAN IDs); Port-based VLAN; 802.1Q tag-based VLAN.
IGMP snooping	IGMP limits bandwidth-intensive multicast traffic to only the requesters; supports 1024 multicast groups.
Secure Shell(SSH) Protocol Secure Sockets Layer(SSL)	SSH secures Telnet traffic in or out the switch, SSH v1 and v2 are supported SSL encrypts the http traffic, allowing advance secure access to the browser based management GUI in the switch
Port Security	Locks MAC Addresses to ports, and limits the number of learned MAC addresses
IP Source Guard Storm control,	Prevents datagram with spoofed addresses from being in the network Prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on a port
ACLs	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
Hardware Priority Queue Scheduling	Support 8 hardware queues Strict priority and weighted round-robin (WRR) Queue assignment based on DSCP and class of service (802.1p/CoS)
Classification	Port based; 802.1p VLAN priority based; IPv4/IPv6 precedence/ type of service (ToS) / DSCP based;
Rate Limiting	Ingress policer ; egress shaping and rate control ; per VLAN, per port and flow based
Web GUI interface	Built-in switch configuration utility for browser-based device configuration Supports configuration, system dashboard, maintenance, and monitoring
IPV6	IPv6 neighbor discovery (ND), Path maximum transmission unit (MTU) discovery , Internet Control Message Protocol (ICMP) version 6 , TCPv6/UDPv6 , Ping6 , Telnet(v6) , Http/Https , Interface IPV6 , ACL IPV6

Dual Image	Dual image provides independent primary and secondary OS files for backup while upgrading.
Firmware upgrade	Web browser upgrade (HTTP/ HTTPs) and TFTP; Upgrade through console port as well.
Port mirroring	Traffic on a port can be mirrored to another port for analysis with a network analyzer or RMON probe.
Other management	Single IP management; HTTP/HTTPs; SSH; RADIUS; DHCP Client. NTP; cable diagnostics; ping; syslog; Telnet client (SSH secure support)
Link detection	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.
IEEE1588	Support IEEE1588v2 transparent clock PTP(Precision Time Protocol)
Jumbo frames	Frame sizes up to 9KB supported on Gigabit interfaces.
MAC Table	Up to 8K MAC addresses.
Link Layer Discovery Protocol	Used by network devices for advertising their identities, capabilities and neighbors on a IEEE 802 local area network, principally wired Ethernet.
Network security	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.
Protection	TSS (Thyristor Surge Suppressor) , Port protection when the set temperature is reached
DHCP Server	IP Automated Distribution Server
Routing	L3 Static Routing
Size	165*148*52mm
Weight	1.2Kg
Power Source	Input 90~240VAC,50-60Hz Output DC 52V
Power consumption	720W
POE Management	Up to 250W (including POE power supply) and supporting the Support Eight port 802.3af(15.4W) full load or 802.3at (30W) and 802.3bt(90W) on 8 ports. PD classification detection , PD alive check , PoE schedule
Indicator	Power indicator, system indicator, connection/data forwarding indicator, 10/100M indicator.
Environment	Working temperature : -40 ~ 85℃ Storage temperature : -45 ~ 85℃ Humidity: 0-90% no condensation