EL-IG8E4G

Industrial FIBER OPTIC L2 Switch

ELIM

EL-IG8E4G

방송통신위원회   KC   INNOBIZ   GOOD Software   RoHS

Dimensions

50.5
224
173
154.5
45.3
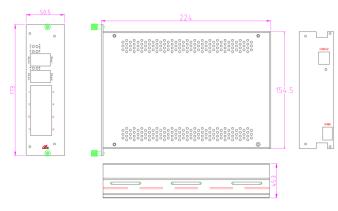
W165 x D148 x H54

Description

본 제품은 10/100/1000Mbps 10Port 및 Giga SFP 4Port를 이용하여 광케이블로 전송하는 L2 Switch 이다.

Features

- 10Port 10/100/1000Base-T + 2(1G,2.5G)/2(100M/1G) SFP L2 Plus Managed Switch.
- Manageability, Security, QoS 및 성능을 지원.
- Switching Capacity 28G
- SNMP v1/v2/v3, RMON(groups1,2,3,9),I-TUT, 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, 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 <50ms 이내 , IPv6 지원
- RACK TYPE 8슬롯 지원 가능.

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

EL-IG8E4G

Standard configuration	10/100/1000M RJ-45 10Port
	4Port(100M,1G) gigabit optical, 1 Console port
Switching / Forwarding	28Gbps / 20.83Mpps
Spanning Tree Protocol	Standard Spanning Tree 802.1d Rapid Spanning Tree(RSTP)802.1w
G.8032 ERPS	<50ms 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	SSH secures Telnet traffic in or out the switch, SSH v1 and v2 are supported
Secure Sockets Layer(SSL)	SSL encrypts the http traffic, allowing advance secure access to the browserbased management GUI in the switch
Port Security	Locks MAC Addresses to ports, and limits the number of learned MAC addresses
IP Source Guard	Prevents datagram with spoofed addresses from being in the network
Storm control	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	Support 8 hardware queues
Scheduling	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
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. Up to N-1 (N is Switch's Ports) ports can be mirrored to single destination port. A single session is supported.
Other management	Single IP management; HTTP/HTTPs; SSH; RADIUS; DHCP Client. SNTP; 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.
Cable length detection	Adjusts the signal strength based on the cable length. Reduces the power consumption for cables shorter.
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	TTS (Thyristor Surge Suppressor)
Size	165*148*54mm
Power Source	Optional 24V/48V Power Supply
Power consumption	20W
Indicator	Power indicator, system indicator, connection/data forwarding indicator, 10/100M indicator.
Environment	Working temperature : -40 ~ 80℃ Storage temperature : -45 ~ 85℃ Humidity: 5-90% no condensation