EKI-9612G-4FI

8G+4G SFP Ports Industrial L3 Managed Switch

Features

- DIN-Rail L3 switch 8 Gigabit ports + 4 SFP ports
- L3 function :Static route , NAT
- SFP socket for easy and flexible fiber expansion
- Redundancy: X-Ring Pro (ultra high-speed recovery time < 20 ms), RSTP/STP (802.1w/1D)
- Security: 802.1x
- Management: SNMP v1/v2c/v3, WEB, Telnet, Standard MIB, Private MIB
- -40 ~ 75°C wide-range operating temperature
- Dual 12~48 V_{DC} power input and 1 relay output

Introduction

EKI-9612G-4FI is a DIN-Rail L3 switch that supports static route and NAT. It comes with 8 Gigabit ports and 4 SFP (mini-GBIC) ports. It provides abundant ports to connect to many devices. The EKI-9612G series is equipped with X-Ring Pro for ultra high speed recovery time of less than 20 ms to ensure network stability. The switch also features wide -40° to 75°C operating temperature.

Specifications

Interface

- **I/O Port**   8 x 10/100/1000Base-T/TX RJ-45
  4 x SFP (mini-GBIC) port
- **Console port**   RS-232 (RJ45)
- **Power Connector**   6-pin screw Terminal Block (including relay)

Physical

- **Enclosure**   Metal Shell
- **Protection Class**   IP 30
- **Installation**   DIN-Rail
- **Dimensions (W x H x D)**   74 x 152 x 105 mm (2.91" x 5.98" x 4.13")

LED Display

- **System LED**   PWR1, PWR2, SYS, Alarm and R.M.
- **Port LED**   Link / Speed / Activity

Environment

- **Operating Temperature**   -40 ~ 75°C (-40 ~ 167°F)
- **Storage Temperature**   -40 ~ 85°C
- **Ambient Relative Humidity**   10 ~ 95% (non-condensing)
- **Humidity**   10 ~ 95% (non-condensing)

Power

- **Power Consumption**   12.1W @ 48V$_{DC}$ (System)
- **Power Input**   12 ~ 48 V$_{DC}$, redundant dual power input
- **Fault Output**   1 Relay Output

Certification

- **EMI**   CE, FCC Class A
- **Safety**   UL61010-2-201
- **EMC**   EN 61000-4-2
  EN 61000-4-3
  EN 61000-4-4
  EN 61000-4-5
  EN 61000-4-6
  EN 61000-4-8
  EN50121-4*
- **Shock**   IEC 60068-2-27
- **Freefall**   IEC 60068-2-32
- **Vibration**   IEC 60068-2-6
- **Traffic control**   NEMA TS2*

*= Compliant

L2 Features

- **L2 MAC Address**   8K
- **Jumbo Frame**   9216 Bytes
- **VLAN Group**   256 (VLAN ID 1 ~ 4094)
- **VLAN Arrange**   Q-in-Q (VLAN Stacking), GVRP
- **Port Mirroring**   Per port, Multi-source port,
- **IP Multicast**   IGMP Snooping v1/v2/v3, MLD Snooping, IGMP Immediate leave
- **Storm Control**   Broadcast, Multicast, Unknown unicast
- **Redundancy**   IEEE 802.1D-STP, IEEE 802.1s-MSTP, IEEE 802.1w-RSTP, X-Ring Pro, with ultra high-speed recovery time less than 20ms

Dimensions

Unit: mm [inch]
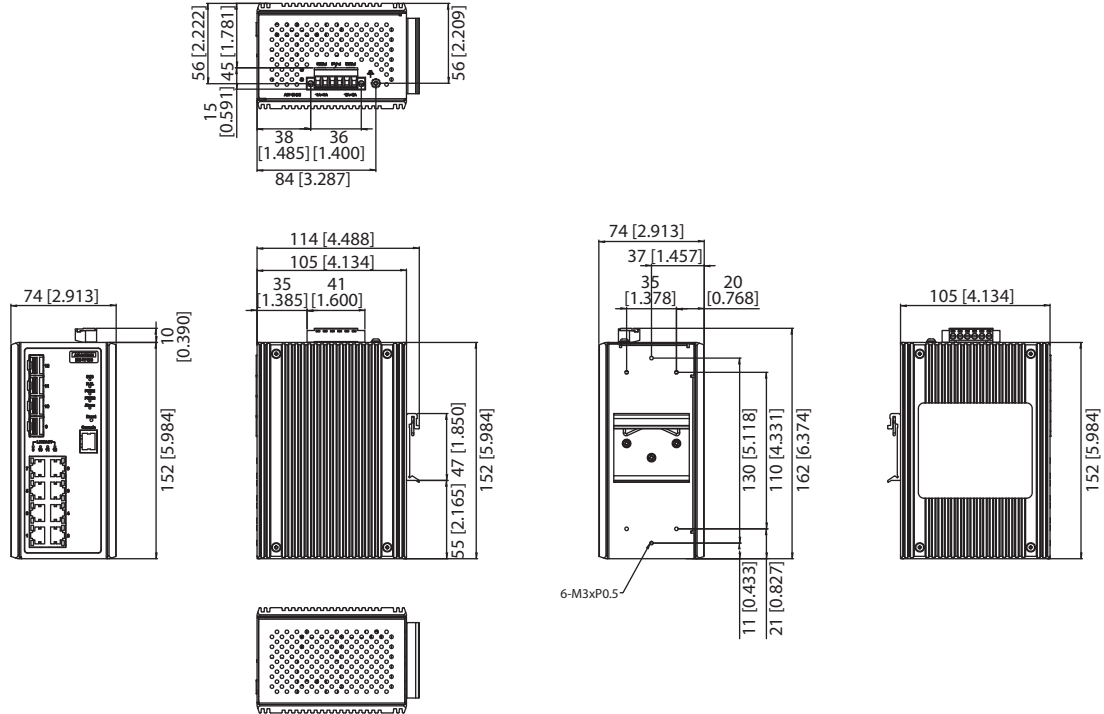
Panel Cut-out Dimensions: 105 (4.137) x 152 (5.984) x 74 (2.91)

QoS

- **Priority Queue Scheduling** — WRR (Weighted Round Robin), SP (Strict Scheduling Priority) Hybrid Priority
- **Class of Service** — IEEE 802.1p Based CoS, IP TOS, DSCP based CoS
- **Rate Limiting** — Ingress Rate limit, Egress Rate limit
- **Link Aggregation** — IEEE 802.3ad Dynamic Port Trunking, Static Port Trunking

Security

- **Port Security** — Static, Dynamic
- **Authentication** — 802.1x (Port-Based, MD5/PEAP Encryption)

Management

- **DHCP** — Client, Server, Option66/67/82
- **Access** — SNMP v1/v2c/v3, WEB, Telnet, RMON, Standard MIB, Private MIB
- **Security access** — SSH2.0, SSL
- **Software upgrade** — TFTP, HTTP, Dual Image
- **Unicast Routing** — NAT, Static routing

Ordering Information

- **EKI-9612G-4FI-AE** — L3 switch 8G + 4G SFP Port Managed Ethernet Switch w/Wide Temp