# 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
- Wide operating temperature range of -40 ~ 75°C
- Dual 12 ~ 48 V<sub>DC</sub> power input and 1 x relay output











# Introduction

The EKI-9612G-4FI is a DIN rail L3 switch that supports static route and NAT. It comes with 8 Gigabit ports ar 3-5 Sr. \*r., ini-GBIC) ports. It provides an abundance of ports for connecting to a range of different devices. The EKI-9612G series is equipped with X-Ring Pro for ultra-higl -s, ed ecovery times of <20 ms, thus ensuring network stability. The switch also features a wide operating temperature range of -40 to 75°C.

# **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. 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<sub>DC</sub> (System)

 Power Input 12 ~ 48 V<sub>DC</sub>, redundant dual power input

 Fault Output 1 Relay Output

### C.rtification

EMI CE, FCC Class A Safety UL61010-2-201 EN 61000-4-2 **EMC** 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

\*= Compliant

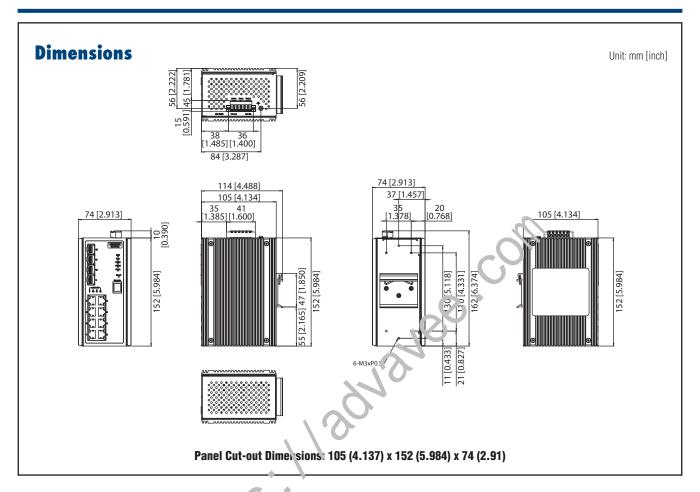
#### **L2 Features**

Traffic control

 L2 MAC Address **Jumbo Frame** 9216 Bytes **VLAN Group** 256 (VLAN ID 1 ~ 4094) Q-in-Q (VLAN Stacking), GVRP **VLAN Arrange** 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 IEEE 802.1D-STP. IEEE 802.1s-MSTP. IEEE Redundancy 802.1w-RSTP, X-Ring Pro, with ultra high-speed

NEMA TS2\*

recovery time less than 20ms



#### QoS

■ **Priority Queue** WRR (Weighted Round P. bin), Shr (Strict Scheduling **Scheduling** Priority) Hybrid Pric v

• Class of Service IEEE 802.1p B. sod CoS, 17 TOS, DSCP based CoS

• Rate Limiting Ingress Rate limit, Foress Rate limit

• Link Aggregation IEEE 802. ad 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

Note: For SFP copper type, only 1000Mbps supported.