EKI-9312P

Industrial-Class 12 Port Managed DIN Rail Switch Full Gigabit Switch with PoE/PoE+



Features

- All Gigabit connections support dual ring protection and non-blocking traffic forwarding
- X-Ring Pro: recovery time within 20ms for 250 node connections
- IEEE 802.3at PoE+ to supply 30W power
- IEEE 802.3af PoE to supply 15.4 power
- IEEE 802.3af/802.3at per port with system PoE power management
- Dual power input, dual image for system reliability
- Operating temperature: -40 ~ 75°C

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Introduction

The EKI-9312P Gigabit managed PoE+ Ethernet switches come standard with 8 10/100/1000BaseT(X), 802.3af (PoE), and 802.3at (PoE+) compliant Ethernet ports, and 4 fiber optic Gigabit Ethernet ports. The EKI-9312P PoE Ethernet switches provide up to 30 watts of power per PoE+ port for heavy-duty, industrial PoE devices, such as weather-proof IP surveillance cameras, high performance wireless access points, and rugged IP phones.

The EKI-9312P are equipped with 8 Gigabit Ethernet ports and up to 4 fiber optic ports, making them ideal for upgrading an existing network to Gigabit speed or building a new, full Gigabit network. The X-Ring Pro with RSTP, STP and MSTP support, increases system reliability and the availability of your network. The EKI-9312P are designed especially for bandwidth demanding applications, such as video and process monitoring, intelligent transportation systems, all of which benefit from a scalable backbone construction.

Specifications

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■ **I/O Port** 8 x 10/100/1000Base-T/TX RJ-45

4 x 1000BASE-X SFP

Console portF/W backup portRJ-45USB

• **Power Connector** 6-pin screw Terminal Block (including relay)

Physical

Enclosure Aluminum Shell
Protection Class IP 30
Installation DIN Rail

Dimensions (W x H x D) 86 x 165 x 125 (mm)

LED Display

System LED PWR1, PWR2, SYS, CFG, Alarm and R.M.

Port LED Link / Speed / Activity / PoE

Environment

Operating Temperature -40 ~ 75°C
Storage Temperature -40 ~ 85°C

 Ambient Relative Humidity 10 ~ 95% (non-condensing)

Humidity
10 ~ 95% (non-condensing)

Power

Power Consumption ~ 21.82 Watts (System)

EKI-9316P: ~294.22 Watts EKI-9312P: ~203.42 Watts

• **Power Input** 48 (46 to 57 V) V_{DC} dual inputs

(> 53 V_{DC} for PoE+ output recommended)

Certification

EMI CE, FCC Class ASafety UL60950 C1D2

■ **EMC** EN61000-6-4; EN61000-6-2; EN61000-4-2 (ESD)

Level 4 EN61000-4-3 (RS) Level 3; EN61000-4-4 (EFT) Level 4; EN50121-4; EN61000-4-5 (Surge) Level 4; EN61000-4-6 (CS) Level 3 EN61000-4-8

(Magnetic Field) Level 4

Shock IEC 60068-2-27
Freefall IEC 60068-2-32
Vibration IEC 60068-2-6

L2 Features

L2 MAC Address 16KJumbo Frame 12KB

VLAN Group
4K (VLAN ID 1~4094)

VLAN Arrange
Mac based VLAN, Protocol based VLAN, IP subnet

based VLAN, Port based VLAN, Q-in-Q (VLAN

Stacking), GVRP

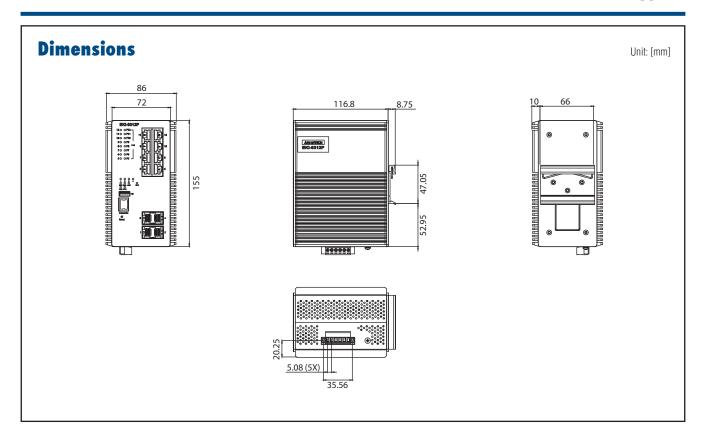
Port Mirroring
Per port, Multi-source port

IP Multicast
IGMP Snooping v1/v2/v3, MLD Snooping, IGMP

Immediate leave

Storm Control
Broadcast, Multicast, Unknown unicast
Spanning Tree
IEEE 802.1D-STP, IEEE 802.1s-MSTP, IEEE

802.1w-RSTP, X-Ring Pro



QoS

- Priority Queue WRR (Weighted Round Robin), SP (Strict Priority), Scheduling Hybrid Priority

Class of Service IEEE 802.1p Based CoS, IP TOS, DSCP based CoS

 Rate Limiting Ingress Rate limit, Egress Rate limit

IEEE 802.3ad Dynamic Port Trunking, Static Port Link Aggregation

Trunking

Security

 Port Security Static, Dynamic

Authentication 802.1x (Port-Based, MAC-Based, MD5/TLS/TTLS/

PEAP Encryption), RADUIS, TCACAS+

- ACL

 Advanced Security IP Source guard, ARP inspection, DHCP Snooping

Management

DHCP Client, Server, Relay, Option66/67/82

SNMP v1/v2c/v3, WEB, Telnet, RMON, Standard MIB, Access

Private MIB

 Security access SSH2.0, SSL

· Software upgrade TFTP, HTTP, Dual Image NTP NTP client/server

Ordering Information

■ EKI-9312-P0ID42E

Layer 2 Fastpath, 8 x GbE 100/1000Base-T with PoE+ $4 \times GbE$ SFP w/ $48 \times V_{DC}$ Redundant Power Input

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