EKI-9316

Industrial-Class 16 Port Full Gigabit Managed DIN Rail Switch



Features

- All Gigabit connections support dual-ring protection and non-blocking traffic forwarding
- X-Ring Pro: recovery time within 20ms for 250 node connections
- STP, RSTP, MSTP for better redundancy
- Super security mechanism includes SSL,SSH, 802.1X, MAC, IP filtering, RADIUS, TACACS+, VLAN for access protection
- Dual power input, dual image for system reliability
- Operating temperature: -40 ~ 75°C

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Introduction

The EKI-9316 Gigabit Managed Ethernet Switches are designed for rigorous mission critical applications, such as factory automation, ITS, and process control. The 4 Gigabit Ethernet ports allow great flexibility to build up a Gigabit redundant ring and a Gigabit uplink.

The EKI-9316 is equipped with 12 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-9316 is designed especially for communication demanding applications, such as video and process monitoring, or intelligent transportation systems, all of which can benefit from a scalable backbone construction.

Specifications

Interface

• I/O Port 12 x 10/100/1000Base-T/TX RJ-45

4 x 1000 BASE-X SFP

Console port
F/W backup port
USB

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

Environment

• Operating Temperature $-40 \sim 75^{\circ}\text{C}$ • Storage Temperature $-40 \sim 85^{\circ}\text{C}$

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

Power

Power Consumption ~ 21.82 Watts (System)
Power Input 24/48 V_{DC} dual inputs

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 EN61000-4-5 (Surge) Level 4; EN61000-4-6 (CS) Level 3 EN61000-4-8 (Magnetic Field) Level 4; EN50121-4

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

802.1w-RSTP, X-Ring Pro

QoS

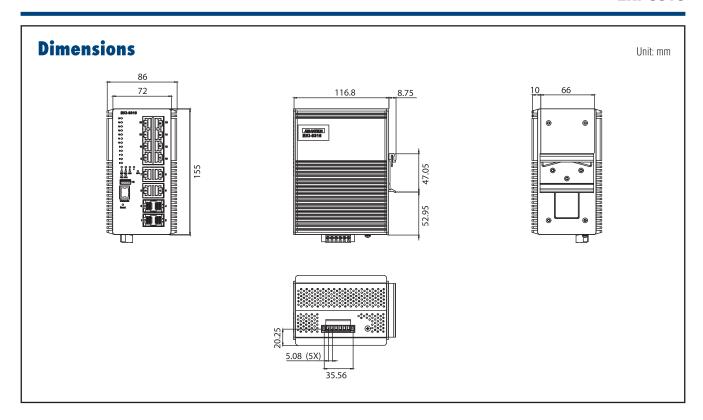
Priority Queue WRR (Weighted Round Robin), SP (Strict Priority), Scheduling Hybrid Priority

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

Rate Limiting Ingress Rate limit, Egress Rate limit

• Link Aggregation IEEE 802.3ad Dynamic Port Trunking, Static Port

Trunking



Security

• Port Security Static, Dynamic

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

PEAP Encryption), RADUIS, TCACAS+

ACL 1K rules

Advanced Security

IP Source guard, ARP inspection, DHCP Snooping

Management

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

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

Private MIB

• Security access SSH2.0, SSL

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

Ordering Information

• **EKI-9316-COID42E** Layer 2 Fastpath, 12xGbE 100/1000Base-T + 4x GbE

SFP w/ 24/48 V_{DC} Redundant Power Input

Contact our sales for more pricing & ordering information.