**EKI-9728G-4X8CI**

# Industrial Rackmount L3 Managed Switch with AC/DC

RoHS

**COMPLIANT**

2002/95/EC

**Features**

* 16 x Gigabit RJ-45 ports + 4 x 10GbE SFP ports + 8 x Gigabit combo ports
* L3 function: static route, RIP v1/v2, OSPF v2, VRRP
* SFP socket for easy and flexible fiber expansion
* Management: SNMP v1/v2c/v3, WEB, Telnet, standard MIB
* Security: 802.1x HTTPS, SSH, and SNMPv3
* Dual power input and 2 x relay output
* Wide operating temperature range of -40 ~ 85˚C

**Introduction**

The EKI-9728G is an L3 management switch that supports RIP v1/v2, OSPF v2, and VRRP. Its wide operating temperature of -40 ~ 85°C means that it can operate reliably in harsh environments. Designed with 16 Gigabit ports, 4 10GbE SFP ports, and 8 Gigabit ports, this unit provides abundant and flexible connection options. Finally, the EKI-9728G series feature dual power inputs to ensure system stability, and 2 relay outputs for greater user flexibility.

# Specifications

## Communications

 **Standard** IEEE 802.3, 802.3u, 802.3x, 802.3z, 802.1D, 802.1w, 802.1p, 802.1Q, 802.1X, 802.3ad, 802.3ab

* **LAN** 10/100/1000BASE-TX, optional 100BASE-FX, 1000BASE-SX/LX/LHX/XD/ZX/EZX
* **Transmission Distance** Ethernet: Up to 100 m (4- wire Cat.5e, Cat.6 RJ45

cable suggested for Gigabit port) SFP: Up to 110 km (depends on SFP)

* **Transmission Speed** Ethernet: 10/100 Mbps Auto-Negotiation

Gigabit Copper: 10/100/1000 Mbps, Auto-Negotiation Gigabit Fiber: Up to 1000 Mbps

## Interface

* **Connectors** 16 x RJ45 (Ethernet)

8 x RJ45/SFP (mini-GBIC) combo ports 4 x SFP Ports

3-pin removable screw terminal (Power) 4-pin removable screw terminal (Relay)

* **LED Indicators** 10/100T (X): Link/Activity, Duplex/Collision

Gigabit Copper: Link/Activity, Speed (1000 Mbps) SFP: Link/Activity

* **Console** RS-232 (RJ45)

## Mechanism

* **Enclosure** IP30, metal shell with solid mounting kits

 **Dimensions (W x H x D)** 442 x 44 x 352 mm (17.4" x 1.73" x 13.85")

* **Mounting** 1U 19" Rack mount

## Power

* **Power Consumption** 19.24 W @ 110VAC
* **Power Input** 90 ~ 264AC/88 ~ 370VDC
* **Fault Output** 2 Relay Outputs

## Protection

* **Power Reverse** Present
* **Overload Current** Present

## Environment

* **Operating Temperature** -40 ~ 85°C (-40 ~ 185°F)
* **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
* **Operating Humidity** 10 ~ 95% (non-condensing)
* **Storage Humidity** 10 ~ 95% (non-condensing)

## Certification

* **EMI** CE FCC EN55022 Class A

 **EMS** EN 61000-4-2

EN 61000-4-3

EN 61000-4-4

EN 61000-4-5

EN 61000-4-6

EN 61000-4-8

 **Shock** IEC 60068-2-27

* **Freefall** IEC 60068-2-32
* **Vibration** IEC 60068-2-6

 **Industrial Ethernet Solutions**

All product specifications are subject to change without notice. Last updated: 27-Jun-2018

# EKI-9728G-4X8CI

## L2 Features

465

Ø6.8x10.3 OB Hole

482

442

Unit: mm

**Dimensions**

44

6.20

12.70 5.90

### L2 MAC Address 16K

* **Jumbo Frame** 12KB
* **VLAN Group** 4093 (VLAN ID 1~4093)
* **VLAN** Mac based VLAN, Protocol based VLAN,

IP subnet based VLAN, Port based VLAN, 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

* **Unicast Routing** Static Routing, RIPV1/V2, OSPF

## QoS

* **Priority Queue** WRR (Weighted Round Robin), SP (Strict Priority)

### Scheduling

* **Class of Service** IEEE 802.1p based CoS, IP TOS, DSCP based CoS
* **Rate Limiting** Egress Rate limit, Ingress Rate limit
* **Link Aggregation** IEEE 802.3ad Dynamic Port Trunking, Static Port

Trunking

# Ordering Information

* **EKI-9728G-4X8CI-AE** Ind. Rackmount L3 Managed Switch with AC/DC

## Security

352

* **Port Security** Static, Dynamic
* **Authentication** 802.1x (Port-Based), RADIUS, TACACS+
* **Advanced Security** IP Source Guard

## Management

* **DHCP** Client, Server
* **Access** SNMP v1/v2c/v3, WEB, Telnet, RMON, Standard MIB, Private MIB
* **Security Access** SSH 2.0, SSL
* **Software Upgrade** TFTP, HTTP, Dual Image
* **NTP** SNTP client

### Routing Redunance VRRP

 **Online Download** [www.advantech.com/products](http://www.advantech.com/products)