

EKI-4668C

24 FE + 4 Combo Port L3 Managed Industrial Ethernet Switch



Features

- 1U 19" rack mount
- 24 FE Copper ports plus 4 Gigabit Copper/SFP combo ports
- SFP socket for easy and flexible fiber extension
- Redundancy: Gigabit X-Ring (ultra high-speed recovery time < 100 ms), RSTP/STP and port trunking
- L3+IP routing RIP & OSPF support
- Port Security and Static MAC filtering & Limited MAC number per port
- SNMP & RMON Support
- Management: Web, Telnet, Serial Console.

Introduction

EKI-4668C supports up to 24 x 10/100 Base-TX and four Gigabit combo ports for high speed transmissions and is a multilayered managed Ethernet switch which provides a resilient and redundant architecture with Advantech's X-Ring technology. EKI-4668C also offers many advanced features like QoS, rate-limiting, IGMP, multicasting support, high performance IP routing and SNMP support to optimize network performance, ease maintenance, secure network safety and improve network operation.

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-T(X), Optional 1000Base-SX/LX/LHX/XD/ZX/EZX
- **Transmission Distance** Ethernet: Up to 100m (4- wire Cat.5e)
SFP: Up to 110 km (depends on SFP)
- **Transmission Speed** Gigabit Copper: 10/100/1000Mbps, Auto-Negotiation.
SFP: Up to 1000Mbps

Interface

- **Connectors** 24 x 10/100 Base-TX
4 x RJ-45/SFP(mini-GBIC) combo ports
- **LED Indicators** 10/100/1000 T(X): Link/Activity, Duplex/Collision
Gigabit Copper: Link/Activity, Speed
SFP: Link/Activity
- **Console** RS-232 (RJ-45)

Power

- **Power Consumption** Max. 50 W
- **Power Input** AC Power: 100 to 240 V, 50/60 Hz

Environment

- **Operating Temperature** -10 ~ 55° C (14 ~ 131° F)
- **Storage Temperature** -20 ~ 70° C (-4 ~ 158° F)
- **Operating Humidity** 10 ~ 95% (non-condensing)
- **Storage Humidity** 10 ~ 95% (non-condensing)

Mechanism

- **Enclosure** IP30, metal shell with solid mounting kits
- **Dimensions (W x H x D)** 438 x 44.5 x 270 mm
- **Mounting** 1U 19" Rack mount

Network Management

- **MAC Address** 16K
- **IP Routing** Wire-speed IP routing, RIPv1/V2, OSPF V2, Static routing
- **Configuration** Web browser, Telnet, Serial console, TFTP, SNMP v1/v2c/v3, , OPC (with external SNMP-OPC server), Port Speed/Duplex Configuration
- **VLAN** IEEE 802.1Q, GVRP, Port-based VLAN
- **Redundancy** ADVANTECH X-Ring (Recovery time < 100ms, 802.1w/D RSTP/STP)
- **Security** IP Access security, port security, DHCP Server, Port and IP Binding, 802.1X Port Access Control
- **Traffic Control** IGMP Snooping/Query for multicast group management Port Trunking, Static/802.3ad LACP, Rate limit and storm control
IEEE 802.1p QoS CoS/TOS/DSCP priority queuing, WRR queuing, IEEE 802.3x flow control
- **Diagnostics** Port Mirroring, Real-time traffic statistic, MAC Address Table, SNTp, Syslog, E-Mail Alert, SNMP Trap, RMON

Certifications

- **Safety** UL 60950-1, CAN/CSA-C22.2 No.60950

Ordering Information

- **EKI-4668C** 24FE + 4 combo L3 managed Ethernet switch

Accessories

- **1702002600** Power Cable US Plug 1.8m
- **1702002605** Power Cable EU Plug 1.8m
- **1702031801** Power Cable UK Plug 1.8m
- **1702031836** Power Cable China/Australia Plug 1.8m