EKI-7756FI
EKI-7752FI

12+4G/8+4G-Port Full Gigabit Industrial Managed Switch with Wide Temperature

EKI-7752FI   EKI-7756FI

Features

- 12/8 Gigabit Copper ports and 4 Gigabit SFP ports
- Redunfancy: X-ring Pro, RSTP/STP/MSTP
- Reset button for auto image/configuration upgrade
- USB port for firmware/configuration backup, restore and upgrade
- Management: Web, Telnet, Console, SNMP
- Control: VLAN/GVRP, QoS, IGMPv3 snooping, IGMP querier, LACP
- Security: IP/MAC and port binding, DHCP Server, IP access list, 802.1X, SSL SNMPv3
- Diagnostic: Port Statistic, Port Mirroring, RMON, Trap, Email Alert, Syslog
- Dual 48Vdc power input and 1 relay output
- Supports wide operating temperatures -40~75°C

Introduction

EKI-7756FI/7752FI supports 12/8 Full Gigabit ports and 4 Gigabit SFP ports. To create reliability in your network, the EKI-7756FI/7752FI come equipped with a proprietary redundant network protocol -- X-Ring Pro that was developed by Advantech, which provides users with an easy way to establish a redundant Ethernet network. Furthermore, EKI-7756FI/7752FI also support many advanced network standards to optimize network performance, ease maintenance issues, and secure network safety.

Specifications

Communications

- **Standard**: IEEE 802.3, 802.3u, 802.3x, 802.3z, 802.3ad, 802.3ab, 802.3, 802.1D, 802.1w, 802.1p, 802.1Q, 802.1X
- **LAN**: 10/100/1000Base-T (X), 100/1000Base-FX/X SFP
- **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**: 12 x RJ45 (Ethernet) (EKI-7756FI) 8 x RJ45 (Ethernet) (EKI-7752FI) 4 x SFP (mini-GBIC)
- **LED Indicators**: System: PWR1, PWR2, SYS, CFG, Alarm, R.M. 10/100/1000T(X): Link/Activity, Duplex: Link/Activity, Duplex/Collision
- **Console**: RS-232 (RJ45)
- **USB**: Supports USB 2.0 for firmware/configuration backup, restore, and upgrade

Network Management

- **Configuration**: Web browser, Telnet, console, TFTP, SNMPv1/v2c/v3, Port Speed/Duplex Configuration
- **VLAN**: IEEE 802.1Q, GVRP, MAC based, Protocol based, IP subnet based, Port based VLAN assignment
- **Redundancy**: Advantech X-Ring Pro, Dual Homing, Dual Ring, Couple Ring, 802.1x/D/s RSTP/STP/MSTP
- **Security**: IP Access security, port security, DHCP Server, Port and IP Binding, 802.1X Port Access Control, SSL Access Control List
- **Traffic Control**: IIGMPv3 snooping, IGMP querier, Port Trunking, Static/802.3ad, LACP Rate limit and storm control, IEEE 802.1p QoS CoS/TOS/ DSCP priority queuing, IEEE 802.3x flow control
- **Diagnostics**: Port Mirroring, Real-time traffic statistic, MAC Address Table, SNTP, Syslog, E-Mail Alert, SNMP Trap, RMON

Mechanism

- **Enclosure**: IP30, aluminium shell with solid mounting kits
- **Dimensions (W x H x D)**: 86 x 165 x 125 mm (3.39" x 6.5" x 4.93")
- **Mounting**: DIN-rail, Wall

Power

- **Power Consumption**: 21.82Watts(system)
- **Power Input**: 24/48V_{DC} redundant dual power input
- **Fault Output**: 1 Relay Output

Protection

- **Power Reverse**: Present
- **Overload Current**: Present

Environment

- **Operating Temperature**: -40 ~ 75°C (-40 ~ 167°F)
- **Storage Temperature**: -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity**: 10 ~ 95% (non-condensing)
- **Storage Humidity**: 0 ~ 95% (non-condensing)
- **MTBF**: EKI-7756FI: 1,177,031 hours EKI-7752FI: 1,180,639 hours
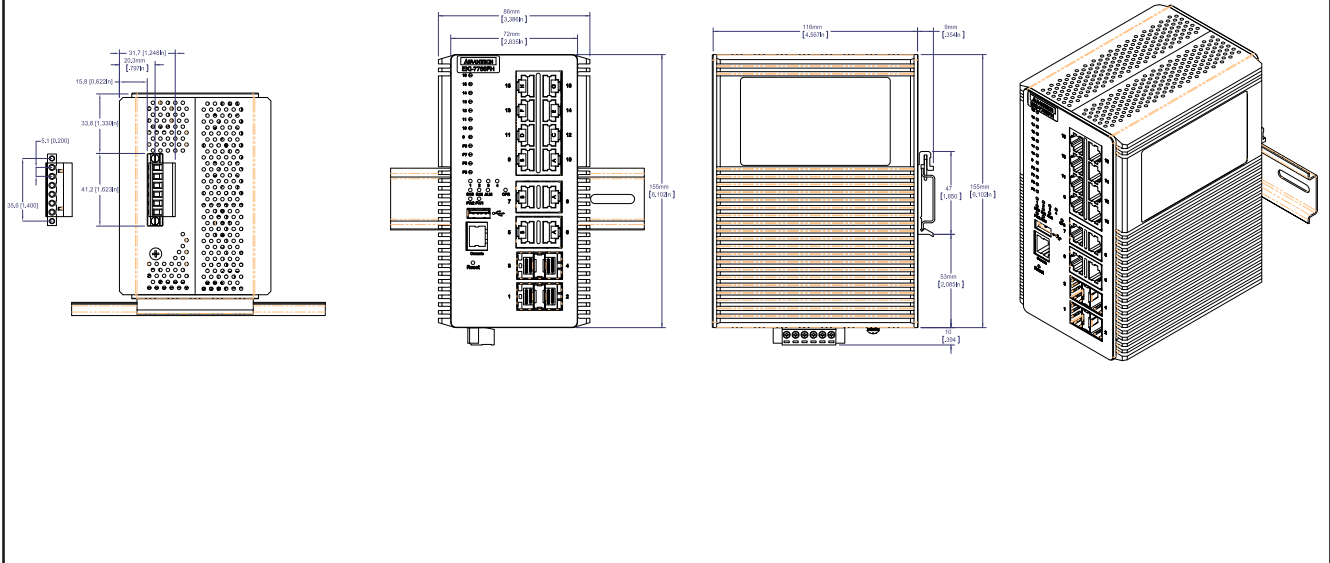
Certification

- **Safety**: UL60950 C1D2
- **EMI**: FCC Part 15 Subpart B Class A, EN 55022 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

Ordering Information

- **EKI-7756FI**: 12GE copper + 4GE SFP ports Managed Switch w/ Wide Temp
- **EKI-7752FI**: 8GE copper + 4GE SFP ports Managed Switch w/ Wide Temp

EKI-7756FI Mounting Dimensions

Unit: mm

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