EKI-2728M/MI
EKI-2728S/SI

6G+2G Multi-Mode SC Fiber Port Unmanaged Ethernet Switch

6G+2G Single-Mode SC Fiber Port Unmanaged Ethernet Switch

Features

- Provides 6 x 10/100/1000 Mbps Ethernet port with RJ45 connector
- Provides 2 x 1000 Mbps fiber port with SC type connector for 1000Base-SX/LX device
- Supports MDI/MDI-X auto crossover
- Supports Auto-Negotiation
- Supports redundant 12 ~ 48 V_{DC} and 24V_{AC} power input
- Provides flexible mounting: DIN-rail and Wall mount
- Provides Link Fault Pass-through (LFP)
- Jumbo Frame: 9216 bytes

Introduction

EKI-2728M/2728S are cost effective unmanaged industrial Ethernet switch which supports Giga Ethernet. It supports Green Power requirement, furthermore, EKI-2728M/2728S also supports advanced network standards to optimize network performance, reduce maintenance cost, and secure network safety.

Specifications

Communications

Standard	IEEE 802.3, 802.3u, 802.3ab, 802.3x, IEEE 802.3z
LAN	10/100/1000Base-T (X), 1000Base-SX or 1000Base-LX
Transmission Distance	Ethernet: Up to 100 m Fiber: Multi-mode: Up to 550 m (EKI-2728M/MI) Single-mode: Up to 10 km (EKI-2728S/SI)
Transmission Speed	Up to 1000 Mbps
Optical Fiber	
Multi-mode (EKI-2728M/MI)	Wavelength: 850 nm Tx Power: -4/-9.5 dBm Rx Sensitivity: -18 dBm Parameters: 50/125 um, 62.5/125 um
Single-mode (EKI-2728S/SI)	Wavelength: 1310 nm Tx Power: -3/-9.5 dBm Rx Sensitivity: -20 dBm Parameters: 9/125 um

Interface

Connectors	6 x RJ45 2 x SC type fiber connector 6-pin removable screw terminal (power & relay)
LED Indicators	P1, P2, P-Fail Fiber: LNK/ACT Ethernet: 1000M, LNK/ACT

Power

Power Consumption	7W
Power Input	12 ~ 48 V_{DC}, 24 V_{AC} (18 ~ 30 V_{AC}), redundant dual inputs

Mechanism

Dimensions (W x H x D)	59.6 x 152 x 105 mm (2.35" x 5.98" x 4.13")
Enclosure	IP30, Metal shell with solid mounting kits
Mounting	DIN-rail, Wall

Protection

Power Reverse	Present
Overload current	Present

Environment

Operating Temperature	-10 ~ 60°C (14 ~ 140°F)
Wide Temp Model	-40 ~ 75°C (-40 ~ 167°F) / (I model)
Storage Temperature	-40 ~ 85°C (-40 ~ 185°F)
Operating Humidity	10 ~ 95% (non-condensing)
Storage Humidity	10 ~ 95% (non-condensing)
MTBF	TBD

Certification

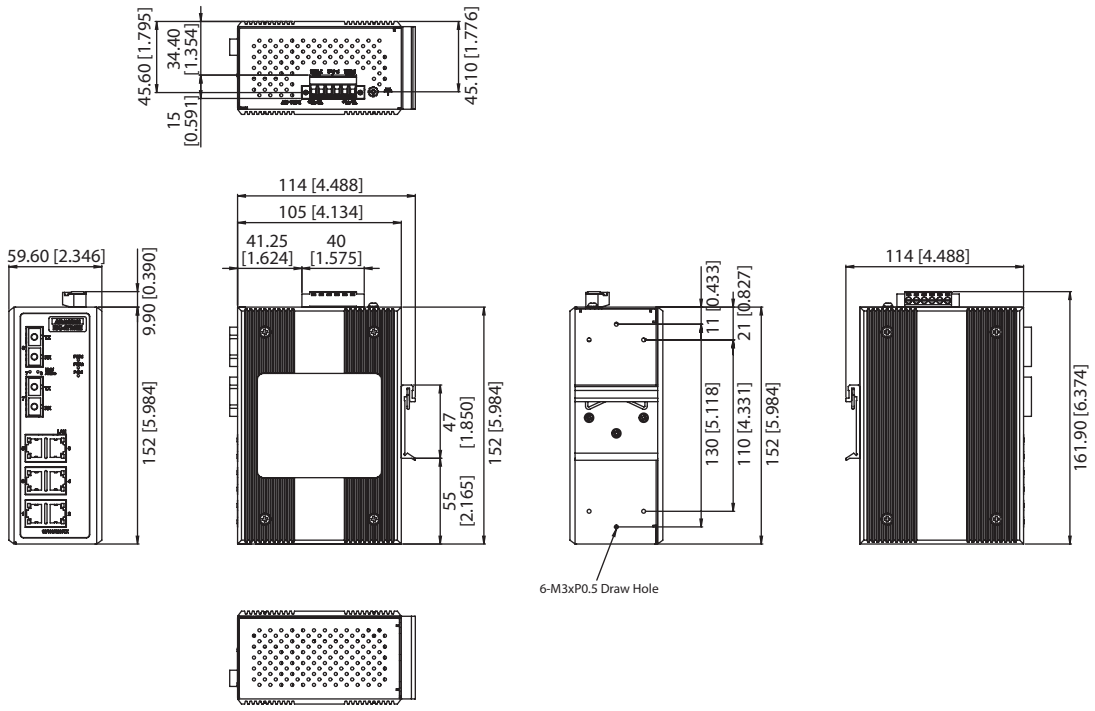
EMI	CE, FCC Class A
EMS	EN 61000-4-2 EN 61000-4-3 EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 EN 61000-4-8
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6

All product specifications are subject to change without notice.

Last updated: 21-Nov-2017

Dimensions

Unit: mm [inch]



Panel Cut-out Dimensions: 59.6 x 152 x 105 mm (2.35" x 5.98" x 4.13")

Ordering Information

- **EKI-2728M-BE** 6G+2G Multi-mode SC Fiber Unmanaged Ethernet Switch
- **EKI-2728MI-BE** 6G+2G Multi-mode SC Fiber Unmanaged Ethernet Switch w/ Wide Temp
- **EKI-2728S-AE** 6G+2G Single-mode SC Fiber Unmanaged Ethernet Switch
- **EKI-2728SI-AE** 6G+2G Single-mode SC Fiber Unmanaged Ethernet Switch w/ Wide Temp