EKI-7629CP/CPI
8+2G Combo Port Gigabit Unmanaged Industrial Ethernet PoE Switch

Features

- Provides 2 Gigabit Copper/SFP combo port plus 8 PoE injector ports
- SFP socket for Easy and Flexible Fiber Expansion
- Supports Auto Negotiation and Auto MDI/MDI-X
- Provides flexible mounting: DIN-rail and Wall mount
- Supports Dual 48 V_{DC} power input and 1 relay output
- Supports wide operating temperatures from -40 to 75°C (EKI-7629CPI)

Introduction

Aside from 2 Gigabit fiber optic/copper combo ports, the EKI-7629CP/CPI comes equipped with 8 x 10/100Base-TX fast Ethernet PoE injector ports. Traditional RJ45 ports can be used for up-linking wide-band paths in short distances (< 100 m), or the appropriate replaceable SFP module can be used for the application of wideband uploading and long distance transmissions to flexibly fit field requests. The long MTBF (Mean Time Between Failures) ensures low operation and maintenance cost. EKI-7629CP/CPI includes a switch controller that can automatically sense transmission speeds (10/100 Mbps) The RJ45 interface can also be auto-detected, so MDI or MDI-X is automatically selected and a cross-over cable is not required. All Ethernet ports have memory buffers that support the store-and-forward mechanism, which assures that data can be transmitted properly

Specifications

Communications

- **Standard** — IEEE 802.3, 802.3ab, 802.3u, 802.3x, 802.3z, 802.3af
- **LAN** — 100Base-TX, 10/1000Base-T, 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)
  Gigabit Fiber: Up to 110 km (depending on SFP)
- **Transmission Speed** — Ethernet: 10/100 Mbps Auto-Negotiation
  Gigabit Copper: 10/100/1000 Mbps, Auto-Negotiation
  SFP: Up to 1000 Mbps

Interface

- **Connectors** — 8 x RJ45 (Ethernet) with 2 x RJ45/SFP (mini-GBIC) combo ports
  6-pin removable screw terminal (Power & Relay)
- **LED Indicators** — System: PWR1, PWR2, P-Fail, PoE
  Gigabit Copper: Link/Activity, Speed (1000 Mbps)
  Gigabit SFP: Link/Activity

Power

- **Power Consumption** — 116W (Full load PoE)
- **Power Input** — 48 V_{DC}, redundant dual inputs
- **Fault Output** — 1 Relay Output

Mechanism

- **Dimensions (W x H x D)** — 79 x 152 x 105 mm (3.11" x 5.98" x 4.13")
- **Enclosure** — IP30, Metal shell with solid mounting kits
- **Mounting** — DIN-rail, Wall

Protection

- **Reverse Polarity** — Present
- **Overload Current** — Present

Environment

- **Operating Temperature** — -10 ~ 60°C (14 ~ 140°F) (EKI-7629CP)
  Wide Temp. Model — -40 ~ 75°C (-40 ~ 167°F) (EKI-7629CPI)
- **Storage Temperature** — -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** — 5 ~ 95% (non-condensing)
- **Storage Humidity** — 0 ~ 95% (non-condensing)
- **MTBF** — 267,793 hours

Certification

- **Safety** — UL 60950-1, CAN/CSA-C22.2 No.60950
- **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-7629CP** — 8+2G Combo Port Unmanaged Ethernet PoE Switch
- **EKI-7629CPI** — 8+2G Combo Port Unmanaged Ethernet PoE Switch w/ Wide Temp