EKI-7626C

16+2G Combo Ports Industrial Unmanaged Gigabit Ethernet Switch

NEW

CE FCC (UL)

Features

- Provides 2 Gigabit Copper/SFP combo port plus 16 Fast Ethernet ports
- SFP socket for Easy and Flexible Fiber Expansion
- Supports Auto Negotiation and Auto MDI/MDI-X
- Supports 4,000 VDC Ethernet ESD protection
- Supports 3,000 VDC surge (EFT) protection for power line
- Provides flexible mounting: DIN-rail, Wall Mounting
- Supports Dual 12 ~ 48 VDC power input and 1 Relay Output
- Supports operating temperatures from -10 ~ 60° C

Introduction

Aside from 16 x 10/100Base-TX fast Ethernet ports, the EKI-7626C comes equipped with 2 combo 10/100/1000 Mbps RJ-45 copper ports or mini-GBIC expansion ports. Traditional RJ-45 ports can be used for uplinking wide-band paths in short distance (< 100 m), or the appropriate replaceable SFP module can be used for the application of wideband uploading and long distance transmissions to fit the field request flexibly. Also, the long MTBF (Mean Time Between Failures) ensures that the EKI-7626C will continue to operate until a Gigabit network infrastructure has been established, without requiring any extra upgrade costs.EKI-7626C includes a switch controller that can automatically sense transmission speeds (10/100 Mbps) The RJ-45 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. Furthermore, the power line of EKI-7626C supports up to 3,000 VDC surge (EFT) protection, which secure equipment against unregulated voltage and make systems safer and more reliable.

Specifications

Communications

- **Standard** IEEE 802.3, 802.3ab, 802.3u, 802.3x, 802.3z
- **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 RJ-45 cable suggested for Gigabit port)
  Gigabit Fiber : Up to 110 km (depending on SFP)
- **Transmission Speed** Ethernet : 10/100Mbps Auto-Negotiation
  Gigabit Copper:10/100/1000Mbps, Auto-Negotiation
  SFP: Up to 1000Mbps

Interface

- **Connectors** 16 x RJ-45 (Ethernet)
  2 x RJ-45/SFP (mini-GBIC) combo ports
  6-pin removable screw terminal(Power & Relay)
- **LED Indicators** System: PWR1, PWR2, P-Fail
  Gigabit Copper: Link/Activity, Speed(1000Mbps)
  Gigabit SFP: Link/Activity

Power

- **Power Consumption** Max. 6.5W
- **Power Input** 2 x Unregulated 12 ~ 48 V_{DC}
- **Fault Output** 1 Relay Output

Mechanism

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

Protection

- **ESD (Ethernet)** 4,000 V_{DC}
- **Surge (EFT for power)** 3,000 V_{DC}
- **Reverse Polarity** Present
- **Overload** 3.2A/60V Resetable Fuse

Environment

- **Operating Temperature** -10 ~ 60° C (14 ~ 140° F)
  Wide temp. model -40~75° C (-40 ~ 167° F)
- **Storage Temperature** -40~85° C (-40~185° F)
- **Operating Humidity** 5 ~ 95% (non-condensing)
- **Storage Humidity** 0 ~ 95% (non-condensing)
- **MTBF** 295,000 hrs

Certifications

- **Safety** UL 60950-1, CAN/CSA-C22.2 No.60950
- **EMC** U.S.A.: FCC Part 15 CISPR 22
  EU: EN55011, EN61000-6-4
    EN55022 Class A,
      EN61000-3-2/3
    EN55024
      IEC61000-4-2/3/4/5/6/8/11/12
    EN61000-6-2
- **Shock** IEC60068-2-27
- **Freefall** IEC60068-2-32
- **Vibration** IEC60068-2-6

Ordering Information

- **EKI-7626C** 16+2G port Industrial Unmanaged Gigabit Ethernet Switch

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