

EKI-7629C

Industrial 8+2G Combo Ports Unmanaged Gigabit Ethernet Switch

NEW



Features

- 2 Gigabit Copper/SFP combo ports, plus 8 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
- Provides surge (EFT) protection 3,000 VDC for power line
- Provides flexible mounting: DIN-rail & Panel Mounting
- Supports Redundant 12 ~ 48 VDC power input and P-Fail Relay
- Supports operating temperatures from -10 ~ 60° C

Introduction

Aside from 8 x 10/100Base-TX fast Ethernet ports, the EKI-7629C 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-7629C will continue to operate until a Gigabit network infrastructure has been established, without requiring any extra upgrade costs.

EKI-7629C 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-7629C supports up to 3,000 V_{DC} surge (EFT) protection, which secures equipment against unregulated voltage and makes 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 100m (4-wire Cat.5e, Cat.6 RJ-45 cable suggested for Gigabit port)
SFP: Up to 110km (depends on SFP)
- **Transmission Speed** Ethernet : 10/100Mbps, Auto-Negotiation
Gigabit Copper: 10/100/1000Mbps, Auto-Negotiation
Gigabit Fiber : Up to 1000 Mbps

Interface

- **Connectors** 8 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
10/100TX: Link/Activity, Duplex/Collision
Gigabit Copper: Link/Activity, Speed (1000Mbps)
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)** 3000 V_{DC}
- **Power Reverse** Present
- **Overload** 3.2A/60V Resettable Fuse

Environment

- **Operating Temperature** -10 ~ 60° C (14 ~ 140° F)
Wide temp. model: -40~75° C (-40 ~ 167° F)
-40~85° C (-40~185° F)
- **Storage Temperature** -40~85° C (-40~185° F)
- **Operating Humidity** 5 ~ 95% (non-condensing)
- **Storage Humidity** 0 ~ 95% (non-condensing)
- **MTBF** 295,662 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
EN61000-6-4
- **Shock** IEC60068-2-27
- **Freefall** IEC60068-2-32
- **Vibration** IEC60068-2-6

Ordering Information

- **EKI-7629C** 8 x 10/100Base-TX Ports & 2 x Combo 10/100/1000Base-TX/ SFP (mini-GBIC) Ports Industrial Unmanaged Redundant Gigabit Ethernet Switch