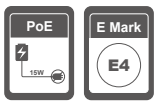
EX34000 Series

Unmanaged Industrial 8-port 10/100BASE PoE Ethernet Switch



Value

- E-Mark certificated for in-vehicle applications
- IEEE802.3af Power over Ethernet (PoE) Power Sourcing Equipment (PSE)
- Redundant power inputs with Terminal Block and DC Jack
- DIN- Rail, Panel, or Rack Mounting
- Alarms for power and port link failure by relay output

Features

- Provides flexibility of 8 Ethernet ports that configure in combinations of copper and fiber optic interfaces
- -10°C to 60°C (-14°F to 140°F) and is tested for functional operation @ -20°C to 70°C (-4°F to 158°F)
- Port1 - 4 support IEEE802.3af Power over Ethernet (PoE) Power Sourcing Equipment (PSE)
- Provides DIN- Rail, Panel, or Rack Mounting
- Alarms for power and port link failure by relay output
- Redundant power inputs with Terminal Block and DC Jack
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment
- 10/100Mbps-Full/Half-duplex, Auto-Negotiation, Auto-MDI/MDIX

Ordering Information

EX34080-00Z	8-port 10/100BASE-TX Industrial Unmanaged PoE Ethernet Switch
EX34071-X0Z	7-port 10/100BASE-TX + 1-port 100BASE-FX Industrial Unmanaged PoE Ethernet Switch
EX34062-X0Z	6-port 10/100BASE-TX + 2-port 100BASE-FX Industrial Unmanaged PoE Ethernet Switch

100FX Fiber Options :

(X) = 1 : Multi Mode (SC) - 2Km
2 : Multi Mode (ST) - 2Km
6 : Multi Mode (SC) WDM-TX:1310nm/RX:1550nm - 2Km
7 : Multi Mode (SC) WDM-TX:1550nm/RX:1310nm - 2Km
8 : Multi Mode (SC) WDM-TX:1310nm/RX:1550nm - 5Km
9 : Multi Mode (SC) WDM-TX:1550nm/RX:1310nm - 5Km
A : Single Mode (SC) - 20Km
B : Single Mode (SC) - 40Km
H : Single Mode (ST) - 20Km
P : Single Mode (SC) WDM-TX:1310nm/RX:1550nm - 20Km
Q : Single Mode (SC) WDM-TX:1550nm/RX:1310nm - 20Km
R : Single Mode (SC) WDM-TX:1310nm/RX:1550nm - 40Km
S : Single Mode (SC) WDM-TX:1550nm/RX:1310nm - 40Km

*More 100FX Fiber options also available upon request.

Power Input Interface :

(Z) = B : Terminal Block & DC Jack

Power Supply : (Optional)

*Option A - The Terminal Block type external power supply are not included. Please order the following part numbers, as required: DR-120-48

**Option B - The external power adapter and power cord are not included. Please order the following part numbers, recommend for indoor use, as required: AS-120P-48

Installation Type : DIN Rail (mounting kit is included)

Optional Panel mount kit, part number: KP-AA96-480

Optional Rack mount kit, part number: KR-BK43-400

Specifications

Technology	
Standards	• IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX/FX, IEEE802.3x, IEEE802.3af
Forward and Filtering Rate	• 14,880pps for 10Mbps • 148,810pps for 100Mbps
Packet Buffer Memory	• 1M bits
Processing Type	• Store-and-Forward • Half-duplex back-pressure and IEEE802.3x full-duplex flow control
Address Table Size	• 1024 MAC addresses

Power	
Input	• Input Voltage: 15.4W 802.3af in 48VDC (47 -55VDC) (Terminal Block/DC Jack)
Power Consumption	• 72W Max. 1.5A @ 48VDC
Power Supply References	• Terminal Block: 48VDC, 2.5A • DC Jack: 48VDC, 2.5A
Overload Current Protection	• Present
Reverse Polarity Protection	• Present

Mechanical	
Casing	• Aluminum case • IP30
Dimensions	• 62mm (W) x 110mm (D) x 135mm (H) (2.44" (W) x 4.33" (D) x 5.31" (H))
Weight	• 1Kg (2.2lbs.)
Installation	• DIN-Rail (Top hat type 35mm), Panel, Rack Mounting

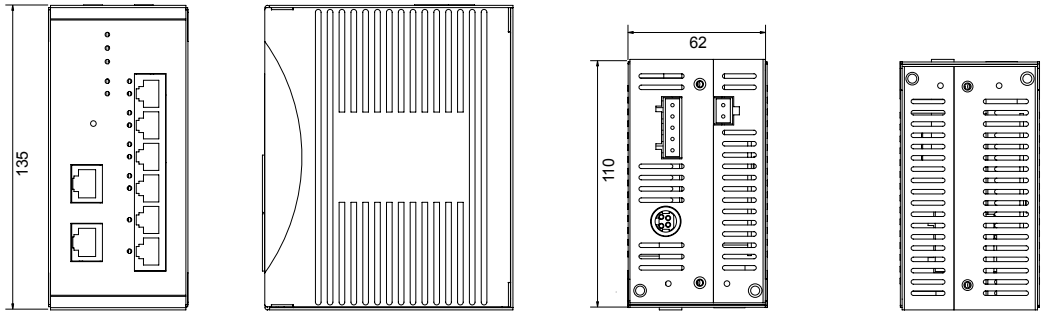
Interface	
Ethernet Port	• 10/100BASE-TX: 8, 7 or 6 ports • 100BASE-FX: 0, 1 or 2 ports
LED Indicators	• Per Unit: Power Status (Power 1, Power 2, Power 3) • Per Port: 10/100TX, 100FX: Link/Activity
Alarm Contact	• One relay output with current 1A @ 24VDC

Environment	
Operating Temperature	• -10°C to 60°C (14°F to 140°F) Tested @ -20°C to 70°C (-4°F to 158°F)
Storage Temperature	• -40°C to 85°C (-40°F to 185°F)
Ambient Relative Humidity	• 5% to 95% (non-condensing)

Regulatory Approvals	
ISO	• Manufactured in an ISO9001 facility
Safety	• UL508 (Pending)
EMI	• FCC Part 15, Class A, VCCI • EN61000-6-4 - EN55022 - EN61000-3-2 - EN61000-3-3
EMS	• EN61000-6-2 - EN61000-4-2 (ESD Standards) Contact: + / - 4KV; Criteria B Air: + / - 8KV; Criteria B - EN61000-4-3 (Radiated RFI Standards) 10V/m, 80 to 1000MHz; 80% AM Criteria A 3V/m, 1400 to 2000MHz; 80% AM Criteria A 1V/m, 2000 to 2700MHz; 80% AM Criteria A - EN61000-4-4 (Burst Standards) Signal Ports: + / - 4KV; Criteria B D.C. Power Ports: + / - 4KV; Criteria B - EN61000-4-5 (Surge Standards) Signal Ports: + / - 1KV; Line-to-Line; Criteria B D.C. Power Ports: + / - 0.5KV; Line-to-earth; Criteria B - EN61000-4-6 (Induced RFI Standards) Signal Ports: 10Vrms @ 0.15 - 80MHz; 80% AM Criteria A D.C. Power Ports: 10Vrms @ 0.15 - 80MHz; 80% AM Criteria A - EN61000-4-8 (Magnetic Field Standards) 30A/m @ 50, 60Hz; Criteria A
Environmental Test Compliance	• IEC60068-2-6 Fc (Vibration Resistance) 5g @ 10 - 150Hz, Amplitude 0.35mm (Operation/Storage/Transport) • IEC60068-2-27 Ea (Shock) 25g @ 11ms (Half-Sine Shock Pulse; Operation) 50g @ 11ms (Half-Sine Shock Pulse; Storage/Transport) • IEC60068-2-32 Ed (Free Fall) 1M (3.281ft.)

Diagrams

Unit: mm



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