EX36100 Series

Web-smart Industrial 8-port 10/100BASE High Power PoE Ethernet Switch

Value

- Supports IEEE 802.3af Power over Ethernet (PoE) Power Sourcing Equipment (PSE)
- Provides IEEE 802.3af+ High Power design up to 30W (enhancement of 802.3af)
- Provides user-friendly Web-smart interface for switch configuration and management.
- -10°C to 60°C (14°F to 140°F) operating temperature range
- Supports Redundant power inputs with Terminal Block and DC Jack

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)
- PoE ports can support the IEEE802.3af+ standard and power up 30W devices
- Provides DIN-rail, panel or Rack mounting
- System, IP Configuration, Port-based VLAN and QoS Priority setting through the Web browser Interface
- PoE (Power budget Control, PoE status, Port status) through the Web browser Interface
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- Complies with NEMA TS2 Environmental requirements for Traffic control equipment
- Alarms for power and port link failure by relay output
- Redundant power inputs with Terminal Block and DC Jack

Ordering Information

EX36180-00Z	8-port 10/100BASE-TX Industrial Web-smart PoE + Ethernet Switch
EX36171-X0Z	7-port 10/100BASE-TX + 1-port 100BASE-FX Industrial Web-smart PoE + Ethernet Switch
EX36162-X0Z	6-port 10/100BASE-TX + 2-port 100BASE-FX Industrial Web-smart 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, SDR-240-48

**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	
Power Input	• Redundant power inputs: Terminal Block: 47 - 57VDC DC Jack: 47 - 57VDC
Power Consumption	• Device: Max. 10W (without PoE) • PoE power budget (depends on power input): 120W Max.
PoE Power Output	• Port 1 to 4 • IEEE802.3af+: up to 30W/port, 47 - 57VDC, 600mA Max.

- Supports overload current protection
- Supports reverse polarity protection

Mechanical	
Casing	• Metal 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 (Green) PoE: Link (Amber)
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
EMI	• FCC Part 15, Class A • EN61000-6-3 - EN55022 - EN61000-3-2 - EN61000-3-3
EMS	• EN61000-6-2 - EN61000-4-2 (ESD Standards) Contact: + / - 4KV Air: + / - 8KV - EN61000-4-3 (Radiated RFI Standards) 10V/m, 80 to 1000MHz; 80% AM 3V/m, 1400 to 2000MHz; 80% AM 1V/m, 2000 to 2700MHz; 80% AM - EN61000-4-4 (Burst Standards) Signal Ports: + / - 4KV D.C. Power Ports: + / - 4KV - EN61000-4-5 (Surge Standards) Signal Ports: + / - 1KV; Line-to-Line D.C. Power Ports: + / - 0.5KV; Line-to-Earth - EN61000-4-6 (Induced RFI Standards) Signal Ports: 10Vrms @ 0.15 - 80MHz; 80% AM D.C. Power Ports: 10Vrms @ 0.15 - 80MHz; 80% AM - EN61000-4-8 (Magnetic Field Standards) 30A/m @ 50, 60Hz
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) • FED STD 101C Method 5007.1 (Free fall w/ package) -Tested with Cross Weight and Drop High standard table

Diagrams

Unit: mm