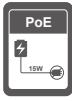# EX38000A Series

Unmanaged Industrial 5-port 10/100BASE PoE Ethernet Switch

✓ *Value*

- › Supports IEEE 802.3af Power over Ethernet (PoE) Power Sourcing Equipment (PSE)
- › Compact size switch for wall or desktop mounted with flexibility of five Ethernet ports
- › Alarms for power and port link failure by relay output
- › -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 5 Ethernet ports that configure in combinations of copper and fiber optic interfaces
- › Port1 - 4 supports IEEE802.3af Power over Ethernet (PoE) Power Sourcing Equipment (PSE)
- › Provides Wall and Desktop mounting

- › 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

EX38050A-00Z	5-port 10/100BASE-TX Industrial Unmanaged PoE Ethernet Switch
EX38041A-X0Z	4-port 10/100BASE-TX +1-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, 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: GS120P-48

Specifications

Technology

Standards	• IEEE802.3 10BASE-TX, IEEE802.3u 100BASE-TX/FX, IEEE802.3x, IEEE802.3af
Forward and Filtering Rate	• 14,880pps for 10Mbps • 148,810pps for 100Mbps
Packet Buffer Memory	• 512K 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 - 55VDC DC Jack: 47 - 55VDC
Power Consumption	• Device: Max. 10W (without PoE) • PoE power budget (depends on power input): 61.6W Max.
PoE Power Output	• Port 1 to 4 • IEEE802.3af: up to 15.4W/port, 47 - 55VDC, 350mA Max.

• Supports overload current protection

• Supports reverse polarity protection

Mechanical

Casing	• Aluminum case • IP30
Dimensions	• 200mm (W) x 134.3mm (D) x 35mm (H) (7.87" (W) x 5.29" (D) x 1.38" (H))
Weight	• 0.8Kg (1.76lbs.)
Installation	• Wall, Desktop Mounting

Interface

Ethernet Port	• 10/100BASE-TX: 5 or 4 ports • 100BASE-FX: 0 or 1 ports
LED Indicators	• Per Unit: Power Status: Power 1, 2, 3 (Green), Fault (Red) • Per Port: 10/100TX, 100FX: Link/Activity (Green)
Alarm Contact	• One relay output with current 1A @ 250VAC

Environment

Operating Temperature	• -10°C to 60°C (-14°F to 140°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 • EN61000-6-4 - EN55022 - EN61000-3-2 - EN61000-3-3
EMS	• EN61000-6-2 - EN61000-4-2 (ESD Standards) Contact: + / - 6KV 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

| Side | Top | Front | Back |