

EX43000 Series

Unmanaged Industrial 8-port 10/100BASE Ethernet Switch



Value

- › Flexible 10/100BASE-TX and FX port configurations
- › Alarms for power failure thru relay output



Features

- › Provides flexibility of 8 Ethernet ports that configure in combinations of copper and fiber optic interfaces
- › Redundant power inputs with Terminal Block or DC Jack
- › -20°C to 60°C (-4°F to 140°F) and is tested for functional operation @ -30°C to 70°C (-22°F to 158°F)
- › 10/100Mbps-Full/Half-duplex, Auto-Negotiation, Auto-MDI/MDIX
- › Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- › Alarms for power failure by relay output

Ordering Information

EX43008-00-I-P	8-port 10/100BASE-TX Industrial Unmanaged Ethernet Switch
EX43018-XY-I-P	8-port 10/100BASE-TX + 1-port 100BASE-FX Industrial Unmanaged Ethernet Switch
EX43026-XY-I-P	6-port 10/100BASE-TX + 2-port 100BASE-FX Industrial Unmanaged Ethernet Switch
EX43044-XY-I-P	4-port 10/100BASE-TX + 4-port 100BASE-FX Industrial Unmanaged Ethernet Switch

100FX Fiber Options :

- (XY) = 1A : Multi Mode (SC) - 2Km
 1B : Multi Mode (ST) - 2Km
 2A : Single Mode (SC) - 20Km
 2B : Single Mode (SC) - 40Km
 2D : Single Mode (ST) - 20Km
 1H : Multi Mode (SC) WDM -TX: 1310nm/RX:1550nm - 2Km
 1J : Multi Mode (SC) WDM -TX: 1310nm/RX:1550nm - 5Km
 2E : Single Mode (SC) WDM -TX:1310nm/RX:1550nm - 20Km
 2F : Single Mode (SC) WDM -TX:1310nm/RX:1550nm - 40Km
 1I : Multi Mode (SC) WDM -TX: 1550nm/RX:1310nm - 2Km
 1K : Multi Mode (SC) WDM -TX: 1550nm/RX:1310nm - 5Km
 2G : Single Mode (SC) WDM -TX:1550nm/RX:1310nm - 20Km
 2H : Single Mode (SC) WDM -TX:1550nm/RX:1310nm - 40Km
 *More 100FX Fiber options also available upon request.

Installation Type :

- (I) = 1 : DIN Rail (mounting kit is included)
 Optional Panel mount kit, part number: [KP-AA96-480](#)
 Optional Rack mount kit, part number: [KR-BK43-400](#)



Power Connector Options :

- (P) = A : Terminal Block* / B : DC Jack**
 *Option A - The Terminal Block type external power supply are not included. Please order the following part numbers, as required: [DR-30-24](#), [DR-60-24](#), [DR-75-24](#), [DR-120-24](#) or [41-136046-X \(X\)=1: US, 2: EU, 3: UK, 4: AU, 5: JP](#)
 **Option B - The external power adapter and power cord are not included. Please order the following part numbers, as required: [41-136044-X \(X\)=1: US, 2: EU, 3: UK, 4: AU, 5: JP](#)

Specifications

Technology	
Standards	<ul style="list-style-type: none"> IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX/100BASE-FX, IEEE802.3x
Forward and Filtering Rate	<ul style="list-style-type: none"> 14,880pps for 10Mbps 148,810pps for 100Mbps
Packet Buffer Memory	<ul style="list-style-type: none"> 768K bits
Processing Type	<ul style="list-style-type: none"> Store-and-Forward Half-duplex back-pressure and IEEE802.3x full-duplex flow control
Address Table Size	<ul style="list-style-type: none"> 2048 MAC addresses
Latency	<ul style="list-style-type: none"> Less than 7.1µs

Power	
Input	<ul style="list-style-type: none"> Input Voltage: 12 to 30VDC (Terminal Block); 12VDC (DC Jack)
Power Consumption	<ul style="list-style-type: none"> 13.2W Max. 1.1A @ 12VDC, 0.55A @ 24VDC
Power Supply References	<ul style="list-style-type: none"> Terminal Block: 48VDC, 2.5A DC Jack: 48VDC, 2.5A
Reverse Polarity Protection	<ul style="list-style-type: none"> Present

Mechanical	
Casing	<ul style="list-style-type: none"> Aluminum case IP30
Dimensions	<ul style="list-style-type: none"> 50mm (W) x 125mm (D) x 135mm (H) (1.97" (W) x 4.92" (D) x 5.31" (H))
Weight	<ul style="list-style-type: none"> 0.8Kg (1.76lbs.)
Installation	<ul style="list-style-type: none"> DIN-Rail (Top hat type 35mm), Panel, Rack Mounting

Interface	
Ethernet Port	<ul style="list-style-type: none"> 10/100BASE-TX: 8, 6 or 4 ports 100BASE-FX: 0, 1, 2 or 4 ports
LED Indicators	<ul style="list-style-type: none"> Per Unit: Power Status (Power 1, Power 2) Per Port: 10/100TX, 100FX: Link/Activity (Green), Speed (Yellow)
Alarm Contact	<ul style="list-style-type: none"> One relay output with current 1A @ 24VDC

Environment	
Operating Temperature	<ul style="list-style-type: none"> -20°C to 60°C (-4°F to 140°F) Tested @ -30°C to 70°C (-22°F to 158°F)
Storage Temperature	<ul style="list-style-type: none"> -40°C to 85°C (-40°F to 185°F)
Ambient Relative Humidity	<ul style="list-style-type: none"> 5% to 95% (non-condensing)

Regulatory Approvals	
ISO	<ul style="list-style-type: none"> Manufactured in an ISO9001 facility
Safety	<ul style="list-style-type: none"> UL60950-1
EMI	<ul style="list-style-type: none"> FCC Part 15, Class A EN61000-6-3 <ul style="list-style-type: none"> EN55022 EN61000-3-2 EN61000-3-3
EMS	<ul style="list-style-type: none"> EN61000-6-2 <ul style="list-style-type: none"> EN61000-4-2 (ESD Standards) <ul style="list-style-type: none"> Contact: + / - 4KV; Criteria B Air: + / - 8KV; Criteria B EN61000-4-3 (Radiated RFI Standards) <ul style="list-style-type: none"> 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) <ul style="list-style-type: none"> Signal Ports: + / - 4KV; Criteria B D.C. Power Ports: + / - 4KV; Criteria B EN61000-4-5 (Surge Standards) <ul style="list-style-type: none"> 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) <ul style="list-style-type: none"> 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) <ul style="list-style-type: none"> 30A/m @ 50, 60Hz; Criteria A
Environmental Test Compliance	<ul style="list-style-type: none"> IEC60068-2-6 Fc (Vibration Resistance) <ul style="list-style-type: none"> 5g @ 10 - 150Hz, Amplitude 0.35mm (Operation/Storage/Transport) IEC60068-2-27 Ea (Shock) <ul style="list-style-type: none"> 25g @ 11ms (Half-Sine Shock Pulse; Operation) 50g @ 11ms (Half-Sine Shock Pulse; Storage/Transport) IEC60068-2-32 Ed (Free Fall) <ul style="list-style-type: none"> 1M (3.281ft.)

Diagrams

Unit: mm

