

# EX35000 Series

## Unmanaged Industrial 8-port Gigabit Ethernet Switch



### Value

- Full Gigabit connections with jumbo frame support
- Redundant power inputs
- Versatile mounting options

### Features

- Provides 6 10/100/1000BASE-T copper ports plus 2 Gigabit combo ports
- Gigabit combo port can choose to use either 1000BASE-SX/LX interface or 10/100/1000BASE-TX interface
- Supports 1000Mbps-Full-duplex, 10/100Mbps-Full/Half-duplex, Auto-Negotiation, Auto-MDI/MDIX
- Supports jumbo frame up to 9KB
- Redundant power inputs (12 - 32VDC) with Terminal Block and DC Jack (12VDC)
- Alarms for power failure by relay output
- -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)
- Provides DIN-rail or panel mounting
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment

### Ordering Information

EX35080-00Z	8-port 10/100/1000BASE-TX Industrial Unmanaged Ethernet Switch
EX35081-0YZ	7-port 10/100/1000BASE-TX + 1-port combo Gigabit Industrial Unmanaged Ethernet Switch
EX35082-0YZ	6-port 10/100/1000BASE-TX + 2-port combo Gigabit Industrial Unmanaged Ethernet Switch

#### Gigabit Options :

(Y) = 3 : 1000BASE-SX (SC) - 550m  
 4 : 1000BASE-SX (SC) - 2Km  
 5 : 1000BASE-SX (ST) - 550m  
 A : 1000BASE-LX (SC) - 10Km  
 B : 1000BASE-LX (SC) - 20Km  
 R : 1000BASE-BX (SC) WDM-TX:1310nm/RX: 1550nm - 20Km  
 S : 1000BASE-BX (SC) WDM-TX:1550nm/RX: 1310nm - 20Km  
 \*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-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

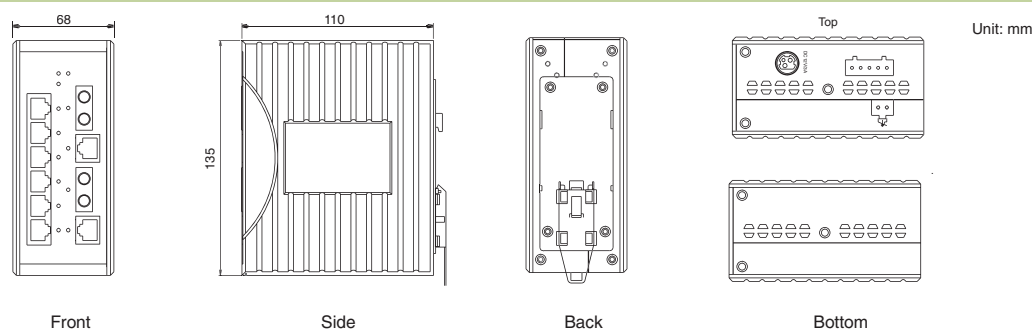
#### Installation Type : DIN Rail (mounting kit is included)

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

## Specifications

Technology	
Standards	IEEE802.3 10BASE-T, 802.3u 100BASE -TX/FX, 802.3ab 1000BASE-T, 802.3z 1000BASE-SX/LX, IEEE802.3x
Forward and Filtering Rate	14,880pps for 10Mbps 148,810pps for 100Mbps 1,488,100pps for 1000Mbps
Packet Buffer Memory	1.125M bits
Processing Type	Store-and-Forward Half-duplex back-pressure and IEEE802.3x full-duplex flow control
Address Table Size	8192 MAC addresses
Latency	64 Bytes packet length less than 2.9us 1518 Bytes packet length less than 7.9us
Power	
Input	Input Voltage: 12 to 32VDC (Terminal Block); 12VDC (DC Jack)
Power Consumption	7.2W Max. 0.6A @ 12VDC, 0.3A @ 24VDC
Overload Current Protection	Present
Reverse Polarity Protection	Present
Mechanical	
Casing	Aluminum case IP30
Dimensions	68mm (W) x 110mm (D) x 135mm (H) (2.68" (W) x 4.33" (D) x 5.31" (H))
Weight	0.8Kg (1.761lbs.)
Installation	DIN-Rail (Top hat type 35mm), Panel Mounting
Interface	
Ethernet Port	Gigabit: 8 ports (2 Fiber combo ports included)
LED Indicators	Per Unit: Power Status (Power 1, Power 2, Power 3) Per Port: Link/Activity (Green: 10/100Mbps, Orange: 1000Mbps)
Alarm Contact	One relay output with current 1A @ 24VDC
Environment	
Operating Temperature	-20°C to +60°C (-4°F to 140°F) Tested @ -30°C to +70°C (-22°F to 158°F)
Storage Temperature	-40°C to +85°C (-40°F to 185°F)
Ambient Relative Humidity	5% to 95% (non-condensing)

## Dimensions



## Regulatory Approvals

ISO	Manufactured in an ISO9001 facility
Safety	UL508
EMI	*FCC Part 15, Class A, VCCI *EN61000-6-3 - 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.)

Overview

Industrial Ethernet Switches

Industrial Converters