

EX35000 Series

Unmanaged Industrial 8-port Gigabit Ethernet Switch



- 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/ SFP 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 Port Options :

(Y) = 1: 10/100/1000BASE-TX

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

V : 1000BASE SFP Mode

*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-AA



Specifications

Technology	
Standards	<ul style="list-style-type: none"> IEEE802.3 10BASE-T, 802.3u 100BASE-TX/FX, 802.3ab 1000BASE-T, 802.3z 1000BASE-SX/LX, IEEE802.3x
Forward and Filtering Rate	<ul style="list-style-type: none"> 14,880pps for 10Mbps 148,810pps for 100Mbps 1,488,100pps for 1000Mbps
Packet Buffer Memory	<ul style="list-style-type: none"> 1.125M 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"> 8192 MAC addresses

Power	
Input	<ul style="list-style-type: none"> Input Voltage: 12 to 32VDC (Terminal Block); 12VDC (DC Jack)
Power Consumption	<ul style="list-style-type: none"> 6.7W Max. 0.52A @ 12VDC, 0.26A @ 24VDC
Overload Current Protection	<ul style="list-style-type: none"> Present
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"> 68mm (W) x 110mm (D) x 135mm (H) (2.68" (W) x 4.33" (D) x 5.31" (H))
Weight	<ul style="list-style-type: none"> 0.8Kg (1.761lbs.)
Installation	<ul style="list-style-type: none"> DIN-Rail (Top hat type 35mm), Panel Mounting

Interface	
Ethernet Port	<ul style="list-style-type: none"> Gigabit: 8 ports (2 Fiber combo ports included)
LED Indicators	<ul style="list-style-type: none"> Per Unit: Power Status (Power 1, Power 2, Power 3) Per Port: Link/Activity (Green: 10/100Mbps, Orange: 1000Mbps)
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"> UL508
EMI	<ul style="list-style-type: none"> FCC Part 15, Class A, VCCI 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) 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	<ul style="list-style-type: none"> 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

