

## 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	<ul style="list-style-type: none"> <li>IEEE802.3 10BASE-T, 802.3u 100BASE -TX/FX, 802.3ab 1000BASE-T, 802.3z 1000BASE-SX/LX, IEEE802.3x</li> </ul>
Forward and Filtering Rate	<ul style="list-style-type: none"> <li>14,880pps for 10Mbps</li> <li>148,810pps for 100Mbps</li> <li>1,488,100pps for 1000Mbps</li> </ul>
Packet Buffer Memory	<ul style="list-style-type: none"> <li>1.125M bits</li> </ul>
Processing Type	<ul style="list-style-type: none"> <li>Store-and-Forward</li> <li>Half-duplex back-pressure and IEEE802.3x full-duplex flow control</li> </ul>
Address Table Size	<ul style="list-style-type: none"> <li>8192 MAC addresses</li> </ul>
Latency:	<ul style="list-style-type: none"> <li>64 Bytes packet length less than 2.9µs</li> <li>1518 Bytes packet length less than 7.9µs</li> </ul>

Power	
Input	<ul style="list-style-type: none"> <li>Input Voltage: 12 to 32VDC (Terminal Block); 12VDC (DC Jack)</li> </ul>
Power Consumption	<ul style="list-style-type: none"> <li>7.2W Max. 0.6A @ 12VDC, 0.3A @ 24VDC</li> </ul>
Overload Current Protection	<ul style="list-style-type: none"> <li>Present</li> </ul>
Reverse Polarity Protection	<ul style="list-style-type: none"> <li>Present</li> </ul>

Mechanical	
Casing	<ul style="list-style-type: none"> <li>Aluminum case</li> <li>IP30</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>68mm (W) x 110mm (D) x 135mm (H)</li> <li>(2.68" (W) x 4.33" (D) x 5.31" (H))</li> </ul>
Weight	<ul style="list-style-type: none"> <li>0.8Kg (1.761lbs.)</li> </ul>
Installation	<ul style="list-style-type: none"> <li>DIN-Rail (Top hat type 35mm), Panel Mounting</li> </ul>

Interface	
Ethernet Port	<ul style="list-style-type: none"> <li>Gigabit: 8 ports (2 Fiber combo ports included)</li> </ul>
LED Indicators	<ul style="list-style-type: none"> <li>Per Unit: Power Status (Power 1, Power 2, Power 3)</li> <li>Per Port: Link/Activity (Green: 10/100Mbps, Orange: 1000Mbps)</li> </ul>
Alarm Contact	<ul style="list-style-type: none"> <li>One relay output with current 1A @ 24VDC</li> </ul>

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

Regulatory Approvals	
ISO	<ul style="list-style-type: none"> <li>Manufactured in an ISO9001 facility</li> </ul>
Safety	<ul style="list-style-type: none"> <li>UL508</li> </ul>
EMI	<ul style="list-style-type: none"> <li>FCC Part 15, Class A, VCCI</li> <li>EN61000-6-3                             <ul style="list-style-type: none"> <li>- EN55022</li> <li>- EN61000-3-2</li> <li>- EN61000-3-3</li> </ul> </li> </ul>
EMS	<ul style="list-style-type: none"> <li>EN61000-6-2                             <ul style="list-style-type: none"> <li>- EN61000-4-2 (ESD Standards)                                     <ul style="list-style-type: none"> <li>Contact: +/- 4KV; Criteria B</li> <li>Air: +/- 8KV; Criteria B</li> </ul> </li> <li>- EN61000-4-3 (Radiated RFI Standards)                                     <ul style="list-style-type: none"> <li>10V/m, 80 to 1000MHz; 80% AM Criteria A</li> <li>3V/m, 1400 to 2000MHz; 80% AM Criteria A</li> <li>1V/m, 2000 to 2700MHz; 80% AM Criteria A</li> </ul> </li> <li>- EN61000-4-4 (Burst Standards)                                     <ul style="list-style-type: none"> <li>Signal Ports: +/- 4KV; Criteria B</li> <li>D.C. Power Ports: +/- 4KV; Criteria B</li> </ul> </li> <li>- EN61000-4-5 (Surge Standards)                                     <ul style="list-style-type: none"> <li>Signal Ports: +/- 1KV; Line-to-Line; Criteria B</li> <li>D.C. Power Ports: +/- 0.5KV; Line-to-earth; Criteria B</li> </ul> </li> <li>- EN61000-4-6 (Induced RFI Standards)                                     <ul style="list-style-type: none"> <li>Signal Ports: 10Vrms @ 0.15 - 80MHz; 80% AM Criteria A</li> <li>D.C. Power Ports: 10Vrms @ 0.15 - 80MHz; 80% AM Criteria A</li> </ul> </li> <li>- EN61000-4-8 (Magnetic Field Standards)                                     <ul style="list-style-type: none"> <li>30A/m @ 50, 60Hz; Criteria A</li> </ul> </li> </ul> </li> </ul>
Environmental Test Compliance	<ul style="list-style-type: none"> <li>IEC60068-2-6 Fc (Vibration Resistance)                             <ul style="list-style-type: none"> <li>5g @ 10 - 150Hz, Amplitude 0.35mm (Operation/Storage/Transport)</li> </ul> </li> <li>IEC60068-2-27 Ea (Shock)                             <ul style="list-style-type: none"> <li>25g @ 11ms (Half-Sine Shock Pulse; Operation)</li> <li>50g @ 11ms (Half-Sine Shock Pulse; Storage/Transport)</li> </ul> </li> <li>IEC60068-2-32 Ed (Free Fall)                             <ul style="list-style-type: none"> <li>1M (3.281ft.)</li> </ul> </li> </ul>

# Diagrams

