

EX65000 Series

Managed Industrial 8-port Gigabit Ethernet Switch



- Provides flexibility of 8-port Gigabit that may be configured in combinations of copper, fiber optic and SFP interfaces
- Wide temp range for extreme environments



Features

- Supports α-ring and RSTP/MSTP/STP for Ethernet redundancy
- IP Multicast Filtering through IGMP Snooping V1, V2 & V3
- Supports port-based VLAN and IEEE802.1Q VLAN Tagging and GVRP
- IEEE802.1p QoS with four priority queues
- MAC-based trunking with automatic link fail-over
- RS-232 console, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- Supports Command Line Interface in RS-232 Console
- Supports IEEE802.1x Security
- Bandwidth Rate Control
- Per-port programmable MAC address locking
- Up to 24 Static Secure MAC addresses per port
- Port mirroring
- Supports NTP
- 1000Mbps-Full-duplex, 10/100Mbps-Full/Half-duplex, Auto-Negotiation, Auto-MDI/MDIX
- Full wire-speed forwarding rate
- -20°C to 60°C (-4°F to 140°F) operating temperature range

Ordering Information

EX65080-00Z	8-Port 10/100/1000BASE-TX Industrial Managed Ethernet Switch
EX65071-0YZ	7-Port 10/100/1000BASE-TX + 1-Port Gigabit Fiber Industrial Managed Ethernet Switch
EX65062-0YZ	6-Port 10/100/1000BASE-TX + 2-Port Gigabit Fiber Industrial Managed Ethernet Switch

Gigabit Port Options :

(Y) = 3 : 1000BASE-SX (SC) - 550m

4 : 1000 BASE-SX(SC) - 2Km

5 : 1000 BASE-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

Power Input Interface :

(Z) = B : DC Jack & Terminal Block

Power Supply : (Optional)

*Option A - Terminal Block power supply(s), part numbers:

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 - DC Jack power supplies kit(s), part numbers: 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 kits (KP-AA96-480) are available for ordering.

Specifications

Technology	
Standards	IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX/100BASE-FX, IEEE802.3ab 1000BASE-T, IEEE802.3z 1000BASE-SX/1000BASE-LX, IEEE802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1s, IEEE802.1w, IEEE802.1D
Forward and Filtering Rate	14,880pps for 10Mbps 148,810pps for 100Mbps 1,488,100pps for 1000Mbps
Packet Buffer Memory	1M bits
Processing Type	- Store-and-Forward - Half-duplex back-pressure and IEEE802.3x full-duplex flow control
Address Table Size	4096 MAC addresses

Power	
Input	Input Voltage: 12 to 32VDC (Terminal Block); 12VDC (DC Jack)
Power Consumption	22W Max. 1.83A @ 12VDC, 0.92A @ 24VDC
Overload Current Protection	Present
Reverse Polarity Protection	Present

Mechanical	
Casing	- Aluminum case - IP30
Dimensions	60mm (W) x 125mm (D) x 145mm (H) (2.36" (W) x 4.92" (D) x 5.71" (H))
Weight	1.1Kg (2.42lbs.)
Installation	DIN-Rail (Top hat type 35mm), Wall Mount

Interface	
Ethernet Port	10/100/1000BASE-TX: 8, 7, or 6 ports 1000BASE-SX/LX: 0, 1, or 2 ports
Console Port	Port: One DB9 RS-232 port
LED Indicators	- Per Unit: Power Status (Power 1, Power 2, Power 3), Reset, Alarm - Per Port: Link/Activity, Speed
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)

Regulatory Approvals	
ISO	Manufactured in an ISO9001 facility
Safety	UL508
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 - 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

