

EX65000 Series

Managed Industrial 8-port Gigabit Ethernet Switch



SFP Ports with DDM



α-RING



UL508

Extended
Temperature

Fanless

Value

- 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 Industrial Managed Ethernet Switch |
| EX65062-0YZ | 6-Port 10/100/1000BASE-TX + 2-Port Gigabit Industrial Managed Ethernet Switch |

Gigabit 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 Mde

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

Specifications

| Technology | |
|-----------------------------|---|
| Standards | IEEE802.3 10BASE-T, IEEE802.3u 100BASETX/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 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

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|---------------------------|--|
| Operating Temperature | -20°C to +60°C (-4°F to 140°F) |
| Storage Temperature | Tested @ -30°C to +70°C (-22°F to 158°F) |
| Ambient Relative Humidity | 5% to 95% (non-condensing) |

Regulatory Approvals

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|-------------------------------|--|
| 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; Criteria B Air: + / - 8KV; Criteria B - EN61000-4-3 (Radiated RFI Standards) 10V/m, 80 to 1000MHz; 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.) |

Dimensions

