

EX49000A Series

Unmanaged Hardened 16-port 10/100BASE PoE and 2-port Gigabit Ethernet Switch



Value

- 16 IEEE802.3at compliant PoE PSE ports
- 2 Gigabit SFP combo

Features

- Provides 16 10/100Base-TX ports and 2 Gigabit ports
- 4096 MAC addresses
- 2.25M bits buffer memory
- Supports IEEE802.3at Power over Ethernet (PoE) Power Sourcing Equipment (PSE)
- -40°C to +75°C (-40°F to 167°F) operating temperature range
- 1000 Mbps-Full-duplex, 10/100Mbps-Full/Half-duplex, Auto-Negotiation, Auto-MDI/MDIX
- Alarms for power failure by relay output
- Supports Rack Mounting installation
- Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- UL508

Ordering Information

EX49162A-0XZ	16-port 10/100BASE-TX + 2-port Gigabit Hardened Unmanaged PoE Ethernet Switch
EX49122A-0XZ	12-port 10/100BASE-TX + 2-port Gigabit Hardened Unmanaged PoE Ethernet Switch
EX49082A-0XZ	8-port 10/100BASE-TX + 2-port Gigabit Hardened Unmanaged PoE Ethernet Switch

Gigabit Fiber Options :

- (X) = 1 : 10/1000/1000BASE-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/RX1550nm - 20km
 S : 1000BASE-BX (SC) WDM-TX :1550nm/RX1310nm - 20km
 V : 1000BASE SFP Combo
 *More Gigabit Fiber Options also available upon

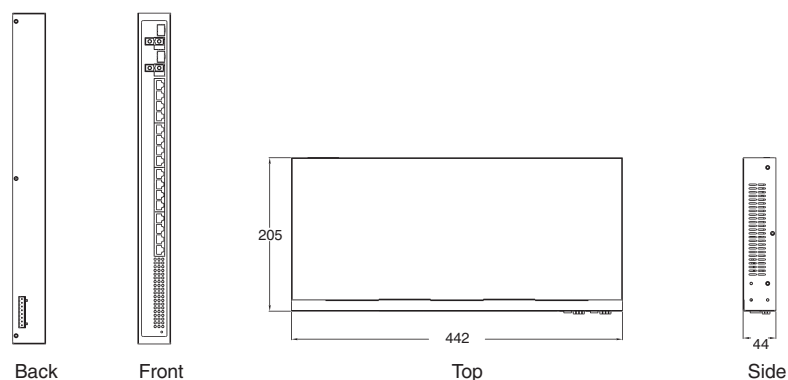
Power Input Interface :

- (Z) = T : Terminal Block
 Power Supply (optional)
 *Option A - The Terminal Block type external power supply are not included. Please order the following part numbers, as required: SDR-240-48
 Installation Type: Rack mount (mounting kit is included)

Specifications

Technology	
Standards	IEEE802.3 10Base-T, IEEE802.3u 100Base-TX/FX/SFP, IEEE802.3x, IEEE802.3ab 1000BASE-T, IEEE802.3af, IEEE 802.3at, IEEE802.2z 1000BASE-SX/LX
Forward and Filtering Rate	14,880pps for 10Mbps 148,810pps for 100Mbps 1,488,100pps for 1000Mbps
Packet Buffer Memory	2.25M 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: 30W 802.3at in 55VDC (47 - 57VDC) (Terminal Block)
Power Consumption	495W Max. 55VDC @ 9A
Reverse Polarity Protection	Present
Mechanical	
Casing	Metal case
Dimensions	Single Power: 442mm (W) x 205mm (D) x 44.2mm (H) (17.40" (W) x 8.07" (D) x 1.73" (H))
Weight	3Kg (6.61lbs.)
Installation	Rack Mounting
Interface	
Ethernet Port	10/100 BASE: 16 ports Gigabit: 2 ports
LED Indicators	Per Unit: Power Status: Power 1, 2 (Green), Fault Per Port: 10/100TX, 100FX: Link/Activity (Green), Speed (Amber) Per Port: Gigabit: Link/Activity (Green), Speed (Amber) Per PoE: 10/100TX (Amber)
Environment	
Operating Temperature	-40°C to +75°C (-40°F to 167°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 (Pending)
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 FRI Standards) 10V/m, 80 to 2.7G; 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: 10V @ 0.15 - 80MHz; Criteria A D.C. Power Ports: 10V @ 0.15 - 80MHz; Criteria A Earth Ground Ports: 10V @ 0.15 - 80MHz; Criteria A - EN61000-4-8 (Magnetic Field Standards) 30A/m @ 50, 60Hz; Criteria A
Environmental Test Compliance	*IEC60068-2-6 Fc (Vibration Resistance) 5G @ 150Hz; Criterion 3 (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.) *NEMA TS1/2 Environmental requirements for traffic control equipment

Overview

Industrial Ethernet Switches

Industrial Converters