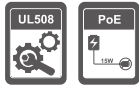


EL1032 Series

Industrial 10/100BASE-TX to 100BASE-FX Media Converter with PoE/PSE



Value

- › Specific design for industrial communication applications with UL508 safety certification
- › Fully complies with IEEE802.3af PoE/PSE standard
- › Easy power source management from dual power interfaces

Features

- › Complies with IEEE802.3af PoE/PSE standard to offer 15.4W for powering PoE/PD device, such as IP Camera, Wireless AP and VoIP phone.
- › DIP switch configuration for "Link-Fault-Pass Through" speed, duplex mode
- › 10/100Mbps-Full/Half-duplex, Auto-negotiation, Auto-MDI/MDIX
- › Supports full wire-speed forwarding rate
- › Offers 2.25M bits buffer memory
- › Industrial operating temperature -10°C to 60°C (14°F to 140°F)
- › Aluminum case
- › Supports DIN-Rail, Panel or Wall Mounting installation

Ordering Information

EL1032-~~X~~-O-B Industrial 10/100BASE-TX to 100BASE-FX Media converter with PoE/PSE

100FX Fiber Options:

(X) = 1 : Multi Mode (SC)

2 : Multi Mode (ST)

A : Single Mode (SC) - 20Km

B : Single Mode (SC) - 40Km

H : Single Mode (ST) - 20Km

6 : Multi Mode (SC) WDM -TX:1310nm/RX:1550nm - 2Km

7 : Multi Mode (SC) WDM -TX:1550nm/RX:1310nm - 2Km

8 : Multi Mode (SC) WDM -TX:1310nm/RX:1550nm - 5Km

9 : Multi Mode (SC) WDM -TX:1550nm/RX:1310nm - 5Km

P : Single Mode (SC) WDM -TX:1310nm/RX:1550nm - 20Km

Q : Single Mode (SC) WDM -TX:1550nm/RX:1310nm - 20Km

R : Single Mode (SC) WDM -TX:1310nm/RX:1550nm - 40Km

S : Single Mode (SC) WDM -TX:1550nm/RX:1310nm - 40Km

*More 100FX Fiber Options available upon request

Power Supply : (Optional)

*Option A - The Terminal Block type external power supplies are not included. Please order the part number: [DR-75-48](#)

**Option B - The external power adapter and power cord are not included. Please order the part number for indoor use: [AS-120P-48](#)

Specifications

Technology		Environment	
Standards	<ul style="list-style-type: none"> • IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX/FX, IEEE802.3af PoE 	Operating Temperature	<ul style="list-style-type: none"> • -10°C to 60°C (14°F to 140°F) • Test @ -20°C to 70°C (-4°F to 158°F)
Forward and Filtering Rate	<ul style="list-style-type: none"> • 14,880pps for 10Mbps • 148,810pps for 100Mbps 	Storage Temperature	<ul style="list-style-type: none"> • -40°C to 85°C (-40°F to 185°F)
Packet Buffer Memory	<ul style="list-style-type: none"> • 2.25M bits 	Ambient Relative Humidity	<ul style="list-style-type: none"> • 5% to 95% (non-condensing)
Processing Type	<ul style="list-style-type: none"> • Store-and-Forward • Half-duplex back-pressure and IEEE802.3x full-duplex flow control 		
Power		Regulatory Approvals	
Input	<ul style="list-style-type: none"> • Input Voltage: 48VDC 	ISO	<ul style="list-style-type: none"> • Manufactured in an ISO9001 facility
Power Consumption	<ul style="list-style-type: none"> • 3.6W Max. 0.075A @ 48VDC • 19.2W, 0.4A @ 48VDC when PoE link with PD Class 0 	Safety	<ul style="list-style-type: none"> • UL508
Overload Current Protection	<ul style="list-style-type: none"> • Present 	EMI	<ul style="list-style-type: none"> • FCC Part 15, Class A • EN61000-6-4 <ul style="list-style-type: none"> - EN55022 - EN61000-3-2 - EN61000-3-3
Reverse Polarity Protection	<ul style="list-style-type: none"> • Present 	EMS	<ul style="list-style-type: none"> • EN61000-6-2 <ul style="list-style-type: none"> - EN61000-4-2 (ESD Standards) <ul style="list-style-type: none"> Contact: + / - 4KV; Criteria B Air: + / - 8KV; Criteria B - EN61000-4-3 (Radiated RFI Standards) <ul style="list-style-type: none"> 10V/m, 80 to 1000MHz; 80% AM Criteria A - EN61000-4-4 (Burst Standards) <ul style="list-style-type: none"> Signal Ports: + / - 4KV; Criteria B D.C. Power Ports: + / - 4KV; Criteria B - EN61000-4-5 (Surge Standards) <ul style="list-style-type: none"> 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) <ul style="list-style-type: none"> 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) <ul style="list-style-type: none"> 30A/m @ 50, 60Hz; Criteria A
Mechanical		Environmental Test Compliance	<ul style="list-style-type: none"> • IEC60068-2-6 Fc (Vibration Resistance) <ul style="list-style-type: none"> 5g @ 10 - 150Hz, Amplitude 0.35mm (Operation/Storage/Transport) • IEC60068-2-27 Ea (Shock) <ul style="list-style-type: none"> 25g @ 11ms (Half-Sine Shock Pulse; Operation) 50g @ 11ms (Half-Sine Shock Pulse; Storage/Transport) • IEC60068-2-32 Ed (Free Fall) <ul style="list-style-type: none"> 1M (3.281ft.)
Casing	<ul style="list-style-type: none"> • Aluminum case 		
Dimensions	<ul style="list-style-type: none"> • 70mm (W) x 110mm (D) x 30mm (H) • (2.76" (W) x 4.33" (D) x 1.18" (H)) 		
Weight	<ul style="list-style-type: none"> • 0.25Kg (0.55lb.) 		
Installation	<ul style="list-style-type: none"> • DIN-Rail (Top hat type 35mm), Panel, Wall Mounting 		
Interface			
Ethernet Port	<ul style="list-style-type: none"> • 10/100BASE-TX: 1 port • 100BASE-FX: 1 port 		
LED Indicators	<ul style="list-style-type: none"> • Per Unit: Power Status (Power) • Per Port: 10/100TX: Link/Activity, Full-duplex/Collision, Speed • 100FX: Link/Activity • PoE: PD connect/PD disconnect 		

Diagrams

Unit: mm

