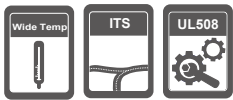


ED3371 Series

Managed Hardened 10/100BASE-TX Ethernet Extender over Coaxial Cable



Value

- Alternative long-distance Ethernet solution to reduce infrastructure cost and shorten the project schedule by using existing coaxial cable
- Specific design for industrial communication applications with UL508 safety certification

Features

- Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- Ethernet Port: 10/100Mbps-Full-duplex, Auto-Negotiation, Auto-MDI/MDIX
- Ethernet Extender Port: Symmetrical on the VDSL, High-speed full-duplex up to 170 Mbps communications link over existing coaxial cable
- Supports Web, CLI, SNMP management Interfaces
- Ten speeds with speed indicator LEDs on front panel of unit, Up to 85Mbps @ about 200meters (656ft.), 1Mbps @ about 2,600meters (8,530ft.)
- -40°C to 70°C (-40°F to 158°F) operating temperature range
- Redundant power inputs with Terminal Block and DC Jack
- Support DIP switch to select Local or Remote side
- Hardened aluminum case
- Supports DIN-Rail Panel Rack Mounting installation

Ordering Information

ED3371-00B	Managed Hardened 10/100BASE-TX Ethernet Extender Over Coaxial Cable
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Power Supply : (Optional)

*Option A - The Terminal Block type external power supplies are not included. Please order the following 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 - The external power adapters and power cords are not included. Please order the following part numbers:

41-136044-X (X)=1: US, 2: EU, 3: UK, 4: AU, 5: JP

Installation Type : Optional Panel mount kit, part number: KP-AA96-480



Specifications

Technology	
Standards	• IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX, IEEE802.3x
Protocols	• Transparent to higher layer protocols
Processing Type	• IEEE802.3x Full-duplex flow control

Power	
Input	• Input Voltage: 12 to 48VDC (Terminal Block); 12VDC (DC Jack)
Power Consumption	• 10.56W Max. 0.88A @ 12VDC, 0.22A @ 48VDC
Overload Current Protection	• Present
Reverse Polarity Protection	• Present

Mechanical	
Casing	• Aluminum case • IP30
Dimensions	• 50mm (W) x 110mm (D) x 135mm (H) (1.97" (W) x 4.33" (D) x 5.31" (H))
Weight	• 0.8Kg (1.76lbs.)
Installation	• DIN-Rail (Top hat type 35mm), Panel, Rack Mounting

Interface		
Ethernet Port	• Port: One RJ-45 port, 10/100BASE-TX Full-duplex Auto-Negotiation, Auto-MDI/MDIX • Speed: 10/100Mbps • Distance: 100meters (328ft.) • Cable: 10BASE-T: UTP CAT. 3, 4, 5 (2-pair wire) 100BASE-TX: UTP CAT. 5 (4-pair wire)	
Ethernet Extender Port	• Port: One 75Ω BNC Port (with F-type connector) • Speed Display: 1/5/10/20/30/40/50/60/70/75Mbps • Max. Distance: 2,600meters (8,530ft.) • Cable: Coaxial Cable (5C2V / RG6AU)	
Speed / Distance Reference	Speed	Distance
	1-5Mbps	2,600M(8,530ft.)
	6-10Mbps	2,400M(7,874ft.)
	11-16Mbps	2,000M(6,561ft.)
	17-20Mbps	1,800M(5,905ft.)
	21-29Mbps	1,600M(5,249ft.)
	30-43Mbps	1,400M(4,593ft.)
	44-54Mbps	1,200M(3,937ft.)
	55-63Mbps	1,000M(3,280ft.)
	64-74Mbps	600M(1,968ft.)
	75-85Mbps	200M(656ft.)

DIP switch	• One DIP Switch: Local (CO) or Remote (CPE)
Console Port	• Port: One DB9 RS-232 port
LED Indicators	• Per Unit: Power Status (Power) • Per Port: 10/100TX: Link/Activity, Full-duplex Line: Error, Link, Local, Remote NOTE: All speed selections are Symmetrical on the DSL.

Environment	
Operating Temperature	• -40°C to 70°C (-40°F to 158°F) Tested @ -40°C to 85°C (-40°F to 185°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: + / - 4KV 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: + / - 2KV; 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

