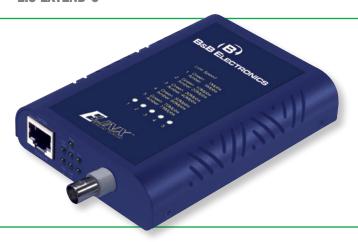


Ethernet Coaxial Extender for 10/100 Networks

EIS-EXTEND-C



PRODUCT FEATURES

- One 10/100Base TX (TX) Ethernet port with RJ-45 connector
- · Auto negotiation of speed and duplex mode on TX port
- Auto MDI/MDIX on Ethernet port
- IEEE 802.3 10BaseT and IEEE 802.3u 100BaseTX compliant
- Line port uses BNC connector or F-Type connector
- Line port link is full-duplex up to 85Mbps over existing coaxial cable
- One DIP switch for configuring local or remote mode
- Status LED's for monitoring and connection status
- External AC to DC power adapter included
- Used as a stand-alone device or with a 19 inch rack chassis
- Hot-swappable when used in 19 inch rack chassis

The model EIS-EXTEND-C allows your existing coaxial cable to be used to extend Ethernet connections up to 8530 feet (2,600 M).

Two EIS-EXTEND-C models are required for the Ethernet extension, (one at each end of your extension points). This product can be used with included power supply or in a 19 inch rack mount chassis, which can house up to 16 EIS-EXTEND-C units or EIS Media Converters.

ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
EIS-EXTEND-C	10/100-TX Ethernet Copper Extender w/USA Power Adaptor
EIS-EXTEND-C-UK	10/100-TX Ethernet Copper Extender w/USA Power Adaptor
EIS-EXTEND-C-EU	10/100-TX Ethernet Copper Extender w/EU Power Adaptor

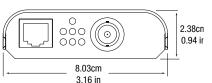
ACCESSORIES

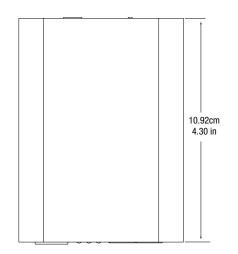
EIS-RACK-PS - Power Supply For EIS-Rack-16, 84 Watts

EIS-RACK-16 - Media Converter 19 Inch 2U Rack Chassis - 16 Slots

MECHANICAL DIAGRAM







Ethernet Coaxial Extender for 10/100 Networks EIS-EXTEND-C

SPECIFICATIONS

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ETHERNET TECHNOLOG	γ		
Standards	IIEEE802.3 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3x, Ethernet over VDSL		
Protocols	Transparent to higher layer protocols		
Processing Type	IEEE802.3x Full-duplex flow control		
INTERFACE			
Ethernet Port	RJ-45, 10/100Base-TX Full/Half-duplex Auto- Negotiation, Auto-MDI/MDIX		
Speed	10/100Mbps		
Distance	328 ft. (100meters)		
Cable	10Base-T: UTP CAT. 3, 4, 5 (2-pair wire), 100Base-TX: UTP CAT. 5 (2-pair wire)		
Extender Line Port	BNC Coaxial		
Speed	1/5/10/20/30/40/50/60/70/75Mbps		
Distance	8,530 ft. (2,600meters)		
Cable	Coaxial Cable (5C2V / RG6AU)		
POWER			
Input Voltage	12 VDC		
Power Consumption	5.76W Max. 0.48A@12VDC		
ENVIRONMENTAL			
Operating Temperature:	-10°C to 60°C (14°F to 140°F)		
Storage Temperature	-20°C to 70°C (-4°F to 158°F)		
Humidity	5% to 95% (non-condensing)		
MTBF	57,515 hours		
MTBF Calculation	Parts count reliability prediction		
MECHANICAL			
Enclosure	Aluminum case		
Dimensions	8.03cm (W) x 10.92cm (D) x 2.38cm (H) 3.16" (W) x 4.30" (D) x 0.94" (H)		
Weight	150g (0.33 lb.)		

TOP LEDS (BNC LINE CONNECTIONS)					
LEDs	Status	Speed	Distance		
1	Green	1~ 5Mbps	up to 2600M		
	Amber	6~10Mbps	up to 2400M		
2	Green	11~16Mbps	up to 2000M		
	Amber	17~20Mbps	up to 1800M		
3	Green	21~29Mbps	up to 1600M		
	Amber	30~43Mbps	up to 1400M		
4	Green	44~54Mbps	up to 1200M		
	Amber	55~63Mbps	up to 1000M		
5	Green	64~74Mbps	up to 600M		
	Amber	75~85Mbps	up to 200M		

REGULATORY APPROV	/ALS		
RoHS - Yes			
Safety	UL60950-1, EN60950-1, IEC60950-1		
EMI	FCC Part 15, Class A VCCI, Class A EN61000-6-3 EN55022, EN61000-3-2, EN61000-3-3		
EMS	EN61000-6-2 EN61000-4-2 (ESD Standards) Contact: + / - 4KV; 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: + / 2KV; Criteria B D.C. Power Ports: + / 2KV; 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 @ 10~150KHz, 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 (3.281 ft.)		

FRONT PANEL LEDS (ETHERNET AND LINE CONNECTIONS)					
Port	LEDs	Status	Description		
Ethernet (RJ-45)	Pwr	Steady Off	Power on (Pwr stands for POWER) Power off		
	Lnk/Act	Steady	Valid Ethernet connection established (Lnk stands for LINK)		
		Flashing	Transmitting or receiving Ethernet data (Act stands for ACTIVITY)		
		Off	No valid Ethernet connection nor transmitting/receiving Ethernet data		
	Fdx	Steady	Ethernet connection in full duplex mode (Fdx stands for FULL-DUPLEX)		
		Flashing	Collision occurred		
		Off	Ethernet connection in half-duplex mode		
Line (BNC)	Rmt	Steady	The device operates in remote mode		
	Loc	Steady	The device operates in local mode		
	Err	Steady	Error occurred		
	Lnk	Steady	A valid connection established between local & remote units		