Quick Start Guide

EIS-EXTEND-C
Ethernet Coaxial Extender

The EIS-EXTEND-C provides one channel for Ethernet over existing coaxial cable.

1 Items Included

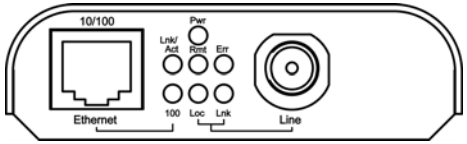
- Ethernet Coaxial Extender
- AC to DC Power Adaptor
- This Quick Start Guide
- Rubber Feet
- BNC to F-Type Adaptor

2 Hardware Installation

1. Apply Rubber feet to bottom of media converter and select a suitable mounting location. Can be wall mounted using slots on the bottom of case.
2. Do not locate in areas subject to high moisture or potentially wet conditions. Locate where the temperature range does not exceed -10 to 60° C. Make sure unit receives adequate ventilation.
3. This Ethernet Extender is a plug-and-play device. Connect the supplied AC to DC power adaptor to the receptacle on the rear panel of the Ethernet Extender, and then attach the plug into a standard AC outlet.
4. Set the DIP switch located on the rear of the Ethernet Extender to Loc (Local) or Rmt (Remote). Ethernet Extenders work in pairs and must have one unit set as Loc, the other as Rmt.
5. Connect the Ethernet cable to the RJ-45 port on the front of Ethernet Extender.
6. Connect the coaxial cable to the BNC port on the front of the Ethernet Extender. Opposite end connects with paired Ethernet Extender located elsewhere. Coax cable must be terminated with male BNC or F connectors. BNC to F-Type adaptor required for F style connector (included).

3 Front Panel & LED Chart

The LED indicators give you instant feedback on status of the Ethernet Extender. Both port speeds are auto sensed.



Front Panel LED's (Ethernet and Line Connections)			
Port	**LEDs**	**Status**	**Description**
Ethernet (RJ-45)	Pwr	Steady	Power on (Pwr stands for POWER)
		Off	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	Operating in remote mode
	Loc	Steady	Operating in local mode
	Err	Steady	Error occurred
	Lnk	Steady	A valid connection established between local & remote

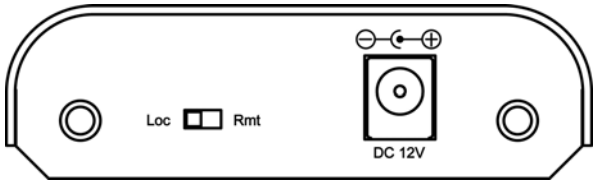
Top LEDs (BNC Line Connections)			
LEDs	**Status**	**Speed**	**Distance**
1	Green	1~ 5Mbps	up to 2600M
	Amber	6~10Mbps	up to 2400M
2	Green	11~16Mbps	up to 2000M
	Amber	17~20Mbps	up to 1800M
3	Green	21~29Mbps	up to 1600M
	Amber	30~43Mbps	up to 1400M
4	Green	44~54Mbps	up to 1200M
	Amber	55~63Mbps	up to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

Note: Distance and speed may vary. The above table represents the maximum performance which can be expected under ideal conditions.

4 DIP Switch Settings

Ethernet Extender mode settings are made very simple by means of a switch at the rear panel of the Ethernet Extender. **One device must be set to local (Loc) and the other to remote (Rmt) before devices are connected.**

It makes no difference which unit is designated local and remote as long as they are **not both set the same**.



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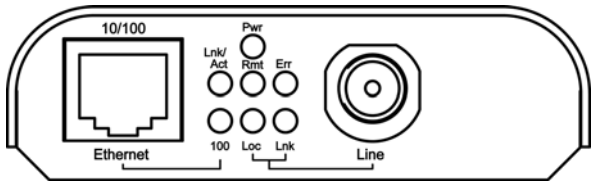
5 Ports

The Ethernet Extender has two ports, a RJ-45 10/100Base TX port and the Ethernet Extender port. Existing coaxial cable can be used. If coaxial cable requires termination, use BNC or F-connectors. F style will require BNC to F-Type adaptor. When BNC extender ports on the units are connected, Lnk LED should be lit.

BNC to F-Type Adaptor



6 Accessories

Installing into Optional 9 inch Rack Chassis:
(model EIS-RACK-16)

The Ethernet Extender fits into any of the expansion slots on a 19 inch rack chassis.

1. Install the Ethernet Extender onto a carrier supplied with the chassis:

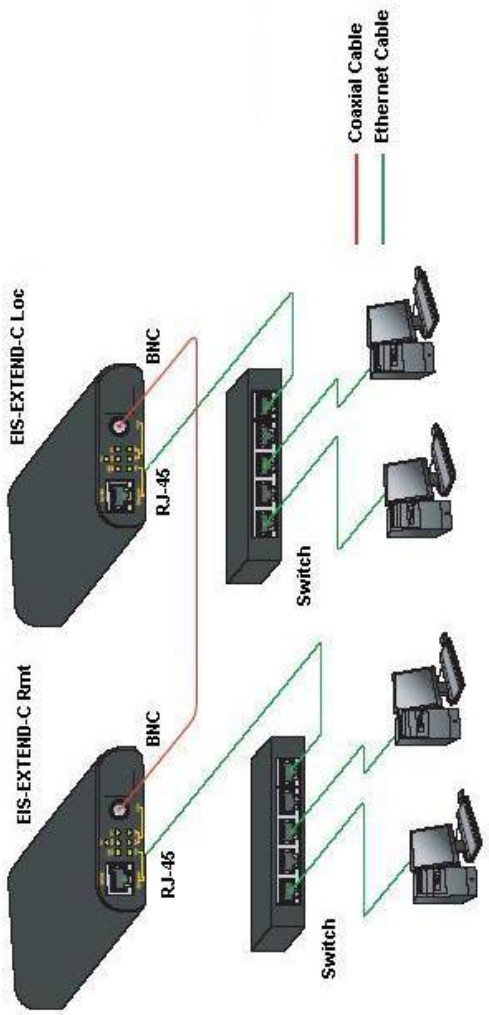
Unscrew the desired carrier from the rack chassis.

Fit the Ethernet Extender onto the carrier.

2. When the Ethernet Extender is completely seated onto the carrier, insert the carrier on the guide rails of the expansion slot.

3. Carefully slide the Ethernet Extender/carrier assembly into the chassis until you have a firm fit.

4. With the carrier locking screw re-fasten the carrier to the chassis.



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