

Preliminary



EOC-10B

2-Port Giga Ethernet Extender over Coaxial

The New EOC-10B is point-to-point EOC (Ethernet over Coaxial) solution that efficiently extends 10/100/1000Mbps Ethernet circuits up to 600m (RG59) at full Fast Ethernet speed using existing coaxial cable. The EOC-10B will allow Ethernet connectivity in existing facilities without pulling extra cable. This is perfect solution to Ethernet on the factory floor where systems have been upgraded from slower serial communication to Ethernet networking. Installation is easy with no settings, just plug & play. This modem is used with Coaxial cable to extend Ethernet connectivity over existing Coaxial cable.

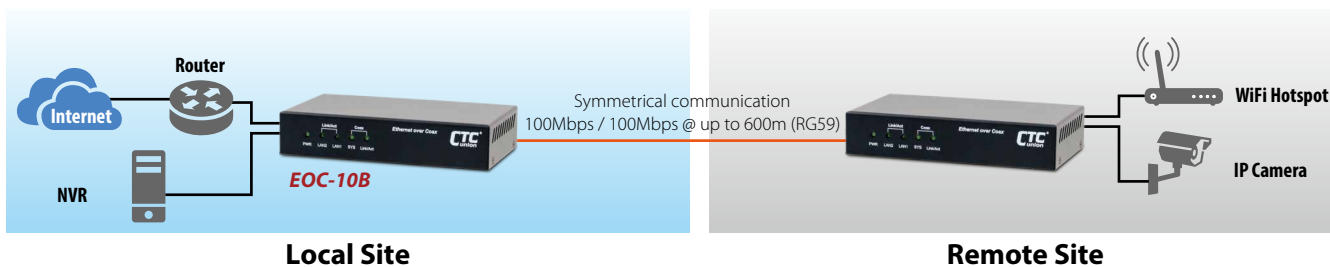
Features

- Extends LAN connectivity using existing coaxial cable.
- Transmits Ethernet over coaxial cable.
- 100Mbps/100Mbps @ up to 600m (RG59)
- Supports Point-to-Point application
- Symmetrical communication between both-side.
- Operates transparent to high layer protocols such as TCP/IP
- Auto-MDI/MDIX
- Auto negotiation
- Plug and Play, no configuration required.
- Status LEDs for simple monitoring.

Specifications

Connectors	2x 10/100/1000 Base-T RJ45 TP 1x F-Type uplink for coax 2 PIN DC Jack IN	Switch Processing Scheme	Store and Forward
Indicators	PWR Power LED LAN1~2 Link/Act LED x2 Device Status LED x1 Uplink Status LED x2	Quality of Service	IEEE 802.1p Priority IEEE 802.1Q Tag VLAN Pass-through
Dimension	83x138x28mm (D x W x H)	Address Table	Support 1K MAC address entries
Weight	330g	Flow Control	Back pressure for half duplex IEEE 802.3x Pause Frame for full duplex
Power	External Power Supply: DC/12V 1A	Switch fabric	4.2 Gbps
Requirement	System Power Consumption: <4 Watt	Maximum Transmit Unit	9K byte
Network Standards	IEEE802.3 10BASE-T, 10Mbit/s IEEE802.3u 100BASE-TX, 100Mbit/s, Auto-negotiation IEEE802.3ab 1000BASE-T IEEE802.3x Full Duplex and Flow Control MDI/MDI-X Auto Crossover	Emissions Compliance	FCC part 15 Class B, CE Mark
Protocol	Transparent to higher layer protocols	Environmental Conditions	Operating Temperature : 0°C ~ 70°C Storage Temperature : -20°C ~ 85°C Operating/Storage Humidity : 10% ~ 90%, Non-condensing
		MTBF	57,000 HR

Application



Ordering Information

Model Name	Description
EOC-10B	2-port 10/100/1000Base-T Ethernet over Coaxial LAN Extender with DC12V AC Adapter