



## EOC-10A

### Gigabit Ethernet / CATV over Coax Modem

The EOC-10A is point-to-point EoCNA (Ethernet over Coax Network Alliance) solution that efficiently extends 10/100/1000Mbps Ethernet circuits up to 700 meters (2,296feet) at full Fast Ethernet speed using existing coaxial cable. The EOC-10A will allow Ethernet connectivity in existing facilities or homes without pulling extra cable. This is perfect solution for Ethernet on the factory floor where systems have been upgraded from slower serial communication to Ethernet networking. Installation is easy with absolutely no settings required. The EOC-10A is used in Coaxial cable systems to extend Ethernet connectivity over existing CCD/CATV grade Coaxial cable. The EOC-10A works by sharing the same cable with CATV signals, without interference to the existing CATV signals.

### Features

- Extends LAN connectivity using existing coaxial cable
- Transmits CATV and Ethernet over the same coaxial cable
- 192Mbps @ up to 700 meters (2,296feet)
- 64Mbps @ 1.2Km (4,000feet)
- Supports point to point
- Supports point to multi-point up to 8 nodes over tap/splitter
- Asymmetrical using EoCNA standard
- Operates transparently to high layer protocols such as TCP/IP
- Auto MDI / MDIX
- Auto negotiation
- Plug and Play, no configuration required
- Status LEDs for simple monitoring

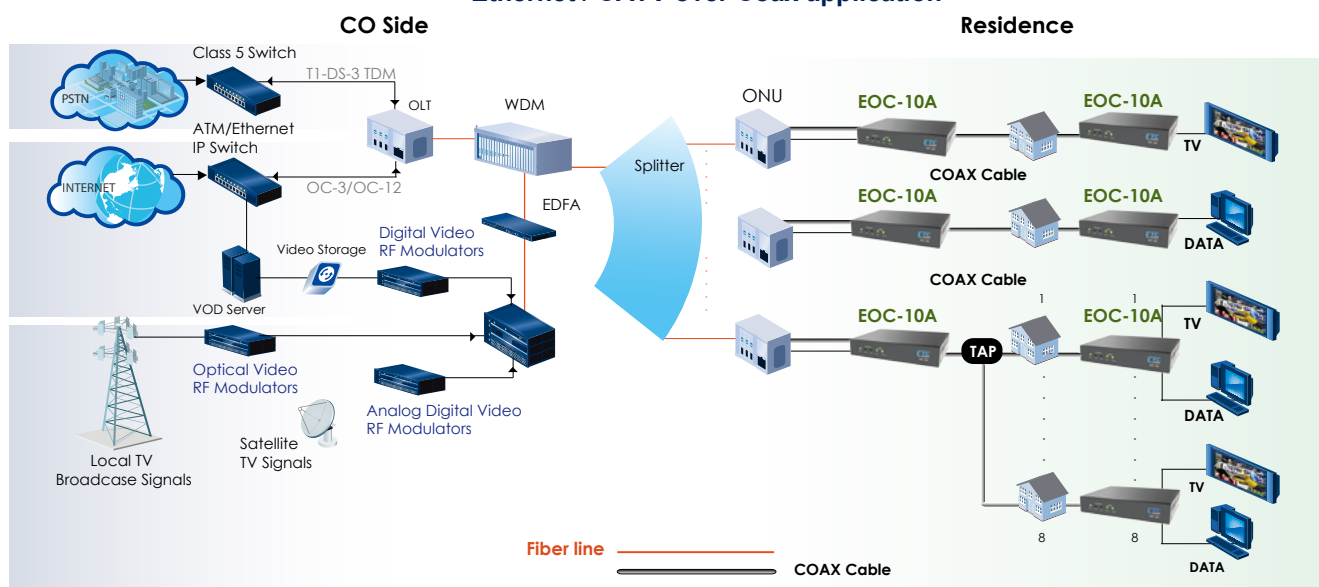
### Specifications

<b>Ethernet Interface</b>	Two 10/100/1000 Mbps, RJ45
<b>Coax Interface</b>	Two F-Type Female Coax Connectors, One for EoCNA, the other for TV/ CCD
<b>Protocol</b>	Transparent to higher layer protocols
<b>Transmission Power and Spectrum</b>	0 dBm, 12~44 MHz
<b>Physical layer</b>	224Mbps maximum speed
<b>transmission speed and distance</b>	Up to 192Mbps@700 meters Up to 64Mbps @ 1.2Km (-176dBm/Hz Noise Floor)
<b>Indications</b>	LEDs (PWR, LAN Link/Act, Coax Link/Act, Sync)

<b>Standards</b>	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3x
<b>Power Input</b>	12VDC (via AC switching adapter)
<b>Power Consumption</b>	<4W
<b>Dimensions</b>	83 x 138 x 28mm (D x W x H)
<b>Weight</b>	0.33kg
<b>Temperature</b>	0 ~ 50°C (Operating), -10 ~ 70°C (Storage)
<b>Humidity</b>	10 ~ 90% non-condensing
<b>Certification</b>	CE, FCC, RoHS compliant
<b>MTBF</b>	57,000 hrs

### Application

#### Ethernet / CATV over Coax application



### Ordering Information

Model Name	Description
EOC-10A	CATV+2x10/100/1000-T over Coax Modem with AC Adapter