



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

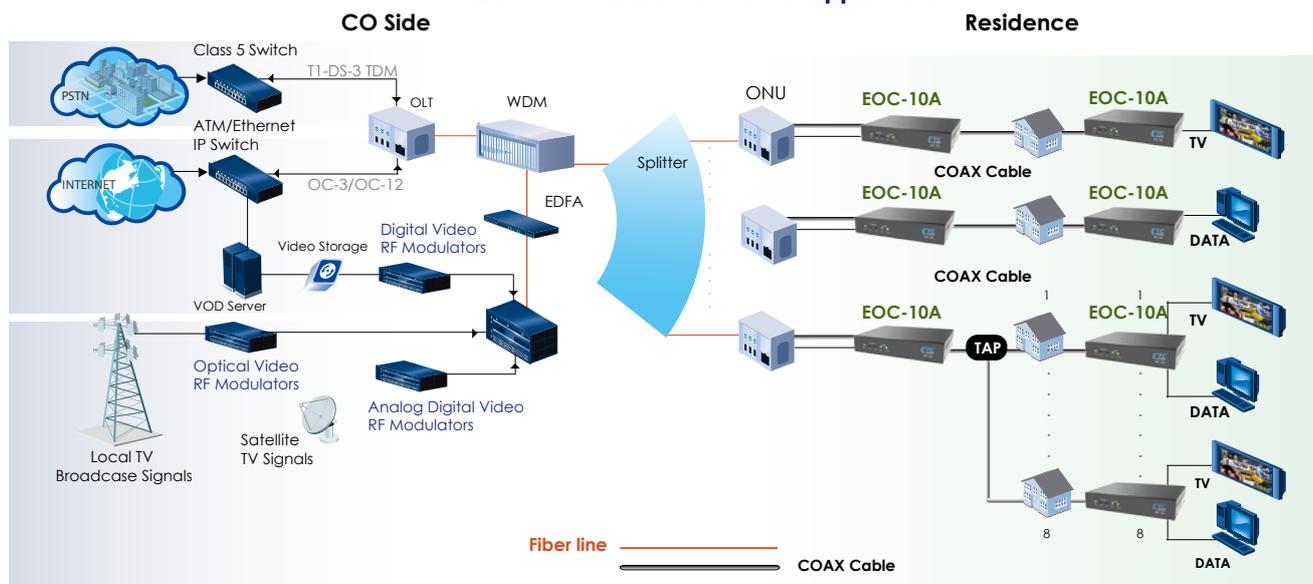
Specifications

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

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