

LAN Extender Ethernet over Coax



EOC-10

The EOC-10 is point-to-point and point-to-multipoint EoCNA (Ethernet over Coax Network Alliance) solution that efficiently extends 10/100 Ethernet circuits up to 900 meters (2,952feet) at full Fast Ethernet speed using existing coaxial cable. The EOC-10 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-10 is used in Coaxial cable systems to extend Ethernet connectivity over existing CCD/CATV grade Coaxial cable. The EOC-10 works by sharing the same cable with CATV signals, without interference to the existing CATV signals.

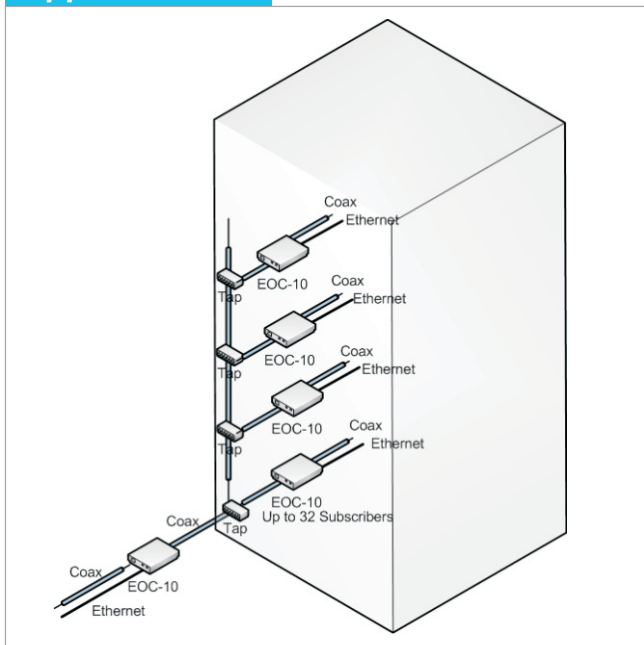
Features

- Extends LAN connectivity using existing coaxial cable
- Transmits CATV and Ethernet over the same coaxial cable
- 112Mbps (PHY speed) @ 900 meters (2,952feet)
- 32Mbps (PHY speed) @ 1.2Km (4,000feet)
- Supports point to point and point to multi-point up to 32 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

Ports	Fast Ethernet Interface 10/100 Mbps, RJ45 Coax Interface Two F-Type Female Coax Connectors, One for EoCNA, the other for TV
Protocol	Transparent to higher layer protocols
Transmission Power and Spectrum	8 ±1 dBm, 12~28 MHz
Physical layer transmission speed and distance	Up to 112Mbps@900 meters Up to 32Mbps @ 1.2Km (-176dBm/Hz Noise Floor)
LEDs	PWR, LAN Link/Act, Coax Link/Act, Coax Sync
Standard	ITU G.9954, IEEE802.3, IEEE802.3u, IEEE802.3x
Power	DC 5V (via AC switching adapter)
Power Consumption	6W
Dimensions (D x W x H)mm	83 x 138 x 28mm
Weight	330g
Temperature	0~50°C (Operating) ,0~70°C (Storage)
Humidity	10~90% non-condensing
Certification	CE, FCC, RoHS
MTBF	57,000 hours

Application



Ordering Information

- **EOC-10** 10/100Base-TX Ethernet over coax, AC adapter required