



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

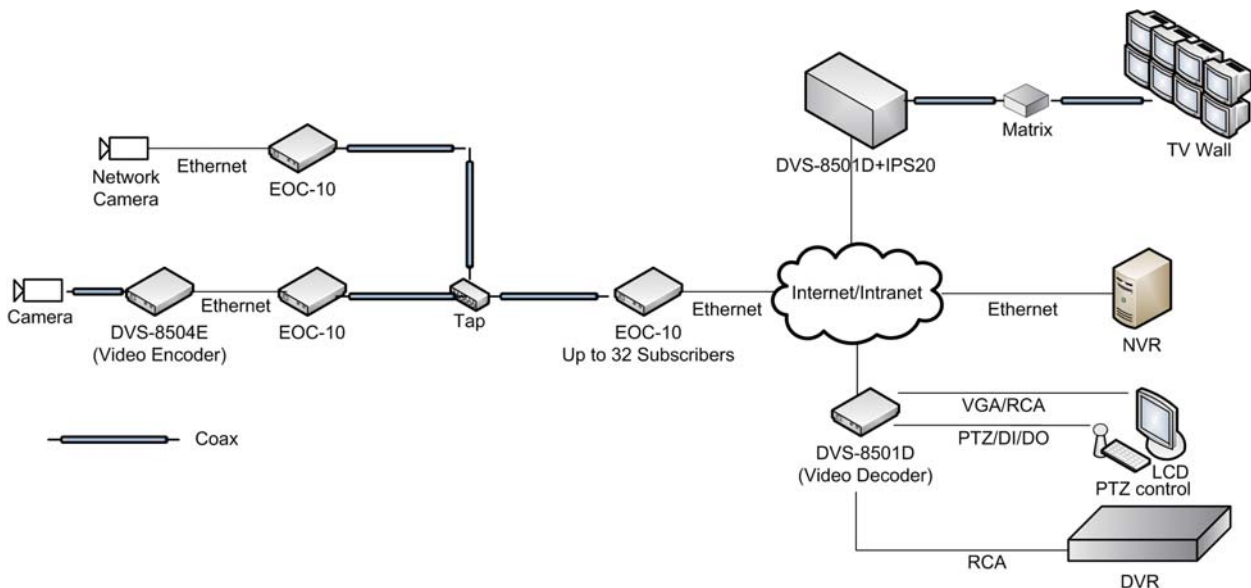
- Extends LAN connectivity using existing coaxial cable
- Transmits CATV and Ethernet over the same coaxial cable
- 112Mbps (PHY speed) @ 900 meters (2,952feet)
- 32Mbps (PHY speed) @ 1.2Km (4,000feet)
- Supports point to point and point to multi-point up to 32 nodes over tap/splitter
- Asymmetrical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

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 protocol
 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)
 ITU G.9954, IEEE802.3, IEEE802.3u, IEEE802.3x
 DC 5V (via AC switching adapter)
 6W
 Dimensions 83 x 138 x28mm (D x W x H)
 Weight 330g
 Temperature 0°C ~ 50°C (Operating), -10°C ~ 70°C (Storage)
 Humidity 10 ~ 90% non-condensing
 Certification CE, FCC, RoHS
 MTBF 57,000 hours

Indications

Standard
 Power Input
 Power Consumption
 Dimensions
 Weight
 Temperature
 Humidity
 Certification
 MTBF



Ordering Information

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