

Cisco DigiStar Ethernet over Coax (EoC) End Point (EP) E320

The Cisco DigiStar Ethernet over Coax (EoC) system is designed to combine a CATV signal with Ethernet data for transmission to a subscriber's home through the existing coax access network.

With Ethernet data delivered to the building, the Cisco DigiStar EoC system meets the IP interactive service requirement of cable operators for Multiple Dwelling Unit (MDU) applications. The Cisco DigiStar EoC system fully supports Video-On-Demand (VOD) and IPTV services. The EoC system also allows for subscriber service differentiation through rate limiting.

The E320 is the end-point device of a Cisco DigiStar EoC system. It is located in a subscriber's home to provide CATV signal pass-through, and Ethernet data to a PC or IP set-top box. It complies with HPNA 3.1 (ITU-TG.9954) standards, and provides high-speed and reliable data transmission.

Figure 1. Cisco DigiStar Ethernet over Coax EP E320



Features

- Complies with HPNA 3.1 (ITU-T G.9954) standards
- Complies with IEEE 802.1p and 802.1q
- Supports PPPoE pass-through
- Configurable bidirectional data transmission band: 12–44 MHz
- Adaptive FDQAM
- Supports MDI/MDIX on two 10/100Base-T ports
- Up to 100 Mbps per Ethernet Port
- Supports Snooping (IGMP v2)
- Auto synchronization and point-to-point communication with AP device
- Standard or Metric F type connector

Product Specifications

See the table below for product specifications.

Table 1. Product Specifications

Specification	Value
General Performance	
HPNA Band	12–28 MHz 28–44 MHz
CATV Band	54–86 MHz 87–1000 MHz
CATV Band Return Loss, 54–86 MHz	>16 dB
CATV Band Return Loss, 87–1000 MHz	>16 dB
CATV Band Insertion Loss, 54–86 MHz	<2.4 dB
CATV Band Insertion Loss, 87–1000 MHz	<1 dB
Link Loss (max.)	72 dB
HPNA Transmit Power	14.5 ±0.5 dBm
RF Modulation	Adaptive FDQAM
Power Consumption	≤5 W @ 12 VDC
Surge Protection	2 kV (Combination Wave) 6 kV (Ring Wave)
Interface	
Ethernet Port x 2	10/100 Based RJ45 Connectors
RF Input Port x 1	Standard/Metric F-Connector, CATV + HPNA
RF Output Port x 1	Standard/Metric F-Connector, CATV
Power Adapter	
Input	220 VAC +/- 10%
Environmental	
Operating Temperature	0 to +50 °C +32 to +122 °F
Storage Temperature	–20 to +70 °C –4 to +158 °F
Relative Humidity (non-condensing)	5%–95%
Mechanical	
Dimensions (H x W x D)	25 x 127 x 73 mm 1.0 x 5.0 x 2.9 in.
Weight	0.18 kg 0.4 lb

Note: Unless otherwise noted, specifications reflect typical performance when the E320 is used with the E220 and are referenced to 20°C (68°F).

Ordering Information

See the table below for ordering information.

Table 2. Ordering Information

Description	Part Number
Cisco DigiStar EoC EP E320, Standard F-Connector,	4036953
Cisco DigiStar EoC EP E320, Metric F-Connector,	4033258
Cisco DigiStar EoC EP E320, Standard F-Connector, with EU Power Plug	EEP2422230000000



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