

Cisco DigiStar Ethernet over Coax (EoC) End Point (EP) E330 – HomePlug6400

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

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

As the end-point device of a DigiStar EoC system, E330 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 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 provides high-speed and reliable data transmission.

Figure 1. DigiStar Ethernet over Coax EP E330 – HomePlug6400



Features

- Complies with HomePlug AV international standards
- Complies with IEEE 802.1p and 802.1q
- Supports PPPoE pass-through
- Supports MDI/MDIX on two 10/100Base-T ports
- 100 Mbps sustained rate
- Supports Snooping (IGMP v2)
- Auto synchronization and point-to-point communication with AP device
- 2 configurations for option with standard or metric F type connector

Product Specifications

See the table below for product specifications.

Table 1. Product Specifications

Specification	Unit	Value
General Performance		
Sustained Rate	Mbps	100
HomePlug Band	MHz	7.5-30
CATV Band	MHz	47-1000
CATV Band Return Loss	dB	>16
CATV Band Insertion Loss	dB	≤ 1
Link Loss (max.)	dB	92
HomePlug Transmit Power	dBm	0 ±3
RF Modulation	–	OFDM
Interface		
Ethernet Port x 2	–	RJ-45 connector, 10/100 Base-T
RF Input Port x 1	–	CATV + HomePlug
RF Output Port x 1	–	CATV
LED	–	Power: Power indicator LED ETH1/ETH2: Ethernet interface indicator LED Sync: EoC System Connection state indicator LED Link: Coax cable link state indicator LED
Power Supply		
Input	VAC	100-240
Consumption	W	≤ 5
Environmental		
Operating Temperature	°C	0 to +50
	°F	+32 to +122
Storage Temperature	°C	-20 to +70
	°F	-4 to +158
Relative Humidity (non-condensing)	–	10%–90%
Compliance	–	RoHS 6/6
Mechanical		
Dimensions (H x W x D)	mm	32 x 112 x 138
	in.	1.3 x 4.4 x 5.4
Weight	g	163
	lb	0.36

Note: Unless otherwise noted, specifications reflect typical performance when the E330 is used with the DigiStar EoC HomePlug AP and are referenced to 20°C (68°F).

Ordering Information

See the table below for ordering information.

Table 2. Ordering Information

Description	Part Number
DigiStar EoC EP, E330 – HomePlug6400, Standard F-Connector, with cable	4038895
DigiStar EoC EP, E330 – HomePlug6400, Metric F-Connector, without cable	4039455



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