

# CET-330

## HCNA3 (Coax) Ethernet Bridge



### Introduction

The HomePNA3.0 Coax Ethernet Adapter (HCNA3), CET-330, enables you to set up your network at home with your existing coaxial cables.

No additional network wiring is necessary. You may just find a coax connector in the wall, plug the coaxial plug into the connector, and you can then be ready to access the broadband Internet. No extra utilities or settings are necessary – just simple plug and play.

Via the RJ-45 Ethernet ports, you can connect CET-330 with Ethernet interface devices such as print servers, camera servers, Set-Top-Box and router/switch/hub. The high speed of 128Mbps will bring you to enjoy the Video On Demand (VOD) services or the Internet TV services (IPTV).

With CET-330, SOHO users can quickly extend or flexible change the existing LAN environment. No more re-wiring troubles.

### Specifications

#### Network Standards

- HomePNA3.0 over Coaxial Cables (HCNA)
- ITU-T G.9954
- IEEE 802.3 10Mbps Ethernet
- IEEE 802.3U 100Mbps Fast Ethernet
- IEEE 802.3x Flow Control

#### Connectors

- Ethernet – Two RJ-45 ports
- HCNA – Two F-Type female Coax Connectors, one for HCNA, the other one for TV
- External power source

#### Transmission Speed & Distance

- Up to 128Mbps
- Up to 1,000 meters (-176dBm/Hz Noise Floor)

#### Quality of Service

- IEEE 802.1Q Tag VLAN pass through
- Priority mapping based on IEEE 802.1P
- Priority Queue based on IEEE 802.1P/TOS

#### Power Requirements

External 5 DCV / 1 Ampere

### Features

- 128Mbps HCNA3.0 port as home network backbone by using existing coaxial cables.
- Two 10/100Mbps fast Ethernet ports for FTTH, ADSL/Cable modem and Ethernet terminals (PC, servers, Set-Top-Box...).
- Distance up to 1,000 meters on RG-59.
- Built-in filter to eliminate noise from TV.
- Quality of Service (QoS) priority and mapping support.
- Plug & Play
- Compact size design.

#### Fast Ethernet Interface

- 10/100Mbps Auto Negotiation
- MDI/MDIX Auto Crossover

#### Indicators

- "Power" LED
- HCNA "Link/Activity" LED
- HCNA "SyncMode" LED
- Ethernet "Link/Activity" LED X 2

#### DIP Switch

Master/Slave selection of Sync Mode Operation

#### Certifications

- Compliant with FCC, CE & VCCI
- UL/cUL, CSA & EN60

#### Environmental Conditions

- Operating: 0 to + 40 Deg. C.
- Storage: -10 to + 65 Deg. C.
- Humidity: 10% to 95%, non condensing

#### Physical Dimensions & Weight

- 144mm (W) X 67mm (D) X 25mm (H)
- 120 gram