

# CEM-336

## HCNA3 (Coax) MDU Master Bridge



### Introduction

The HomePNA3.0 Coax MDU Master Adapter, CEM-336, enables you to start up your triple-play services to a small scale apartment building or small campus.

No additional network wiring is necessary. You may just use the existing coax wiring in the MDU building, you can then be ready to provide the broadband triple-play services to your subscribers.

Low initial deployment cost compare to DSL based solutions. The low initial cost can expand the service to small scale buildings with limited subscribers.

Via the RJ-45 Ethernet ports, you can connect the CEM-336 with broadband access devices such as Fiber Media Converter and ADSL/Cable modem.

The CEM-336 management tools you can manage the device remotely to minimize the support/service costs.

### Features

- 128Mbps HCNA3.0 port as distribution backbone by using existing coaxial cable.
- Two 10/100Mbps fast Ethernet ports for FTTH, ADSL/Cable modem.
- Distance up to 1,200 meters on RG-59.
- Built-in filter to eliminate noise from TV.
- Remote web configuration & diagnosis up to 15 slaves.
- Secured and isolated communication.
- Provision/Denial of Service.
- Recovery from Firmware upgrades failure
- Quality of Service (QoS) priority and mapping support.

### Specifications

#### Network Standards

- HomePNA3.0 over Coaxial Cables (HCNA)
- IEEE 802.3/802.3U 10/100Mbps Ethernet
- IEEE 802.3x Flow Control

#### Connectors

- Ethernet – Two RJ-45 ports
- HCNA – Two F-Type female connectors – HCNA & TV
- External 5V / 1 Ampere power source

#### Transmission Parameters

- Up to 128 Mbps; 4 – 21 MHz ; 0 +/- 1 dBm
- Up to 1,200 meters (-176dBm/Hz Noise Floor)

#### Quality of Service

- Priority mapping based on IEEE 802.1P
- Guaranteed QoS based on HPNA3 parameterized QoS

#### Network Management

- Web configuration and Firmware upgrade / recovery
- Up to 15 slaves (CET-330) can be control
- Diagnosis of HCNA interface
- Secure and isolated communication
- Provision/Denial Service
- Subscriber Host Number Control

#### Fast Ethernet Interface

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

#### Indicators

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

#### Switches

- DIP - reserved
- Push Button - Reset or Force as Factory Setting

#### Certifications

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

#### Environmental Conditions

- Operating: 0 to + 55 Deg. C.
- Storage: -10 to + 65 Deg. C.
- Humidity: 10% to 95%, non condensing

#### Physical Dimensions & Weight

- 160mm (W) X 105mm (D) X 28mm (H) ; 260 gram