

## TECHNICAL SPECIFICATIONS

### CC101

#### NETWORK STANDARDS

- HomePNA 3.1 over Coaxial Cable (HCNA)
- IEEE 802.3 10M Ethernet
- IEEE 802.3u 100M Fast Ethernet
- IEEE 802.3x Flow Control

#### CONNECTORS

##### Ethernet

- Two RJ-45 Connectors

##### HCNA

- Two F-Type Female Coax Connectors, One for HCNA, the Other for TV

#### TRANSMISSION POWER AND SPECTRUM

- 0 +/- 1 dBm
- 4 ~ 20MHz

#### TRANSMISSION RANGE AND DISTANCE

- Dynamic Attenuation Range > 50dB
- Up to 4000 Feet ( -176dBm/Hz Noise Floor) on RG59 Wire

#### QUALITY OF SERVICE

- Priority Mapping Based on IEEE 802.1p
- Guaranteed QoS based on HomePNA3.1 Parameterized QoS

#### FAST ETHERNET INTERFACE

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

#### MANAGEMENT

- Service Enable/Disable Control
- Bandwidth Control
- Queuing Scheme Based on 802.1p/TOS
- TagVLAN ID Tag/Untag or Pass Through
- IGMP Snooping Control (V1 & V2)
- Statistics and Status of Ethernet Ports

#### INDICATORS

- "Power" LED
- HCNA "Link/Activity" LED,
- Ethernet "Link/Activity" LED x 2

#### ENVIRONMENTAL CONDITIONS

##### Operating Temperature

- 0°C ~ 40°C (32°C ~ 104°C)

##### Storage Temperature

- -10°C ~ 70°C (14°C ~ 158°C)

##### Operating Humidity

- 10% ~ 95%, Non-condensing

#### POWER REQUIREMENT

- External Power Supply : 5 VDC
- Power Consumption : < 4 Watts

#### PHYSICAL DIMENSION

- 114mm (W) x 67mm (D) x 25mm (H)

#### UNIT WEIGHT

- 120g



### CC101 KEY FEATURES

⊕	Redistributes both a broadband and TV signal in a multi-dwelling building from a coax port
⊕	Two 10/100 fast Ethernet ports
⊕	Built-in filter to eliminate "noise" from TV
⊕	QoS priority and mapping support
⊕	Supports service and bandwidth control
⊕	Working in the unison with the CC100, can be configured with a billing solution

### CC100 KEY FEATURES

⊕	Use a multi-dwelling buildings existing coaxial cable network as a distribution backbone
⊕	Built-in filter to eliminate noise from TV/antenna
⊕	Endpoint service and bandwidth control
⊕	Remote web configuration and diagnosis
⊕	QoS priority and mapping support
⊕	Isolated communication between endpoints
⊕	Working in the unison with the CC101, can be configured with a billing solution
⊕	Two 10/100 fast Ethernet ports

The CC100 Coax MDU Master Bridge allows the management of a multi-dwelling building to supply triple play broadband service to residents/guests over their existing coaxial cable network. No additional wiring is necessary as the CC100 takes a broadband signal, together with a TV signal, and distributes it together over the coaxial network where it becomes available at each connected coax port.

When paired with one of NetComm's CC101 Coax Slave Ethernet Bridge's, the signal that is sent around the coax network is made available to be redistributed at the resident/guests room.

\*\* Splitters may be required depending on the wiring configuration of the installation

## TECHNICAL SPECIFICATIONS

### CC100

#### NETWORK STANDARDS

- HomePNA 3.1 over Coaxial Cable (HCNA)
- IEEE 802.3 and IEEE 802.3u
- IEEE 802.3x

#### TRANSMISSION POWER AND SPECTRUM

- 8 +/- 1 dBm
- 12-28MHz

#### TRANSMISSION SPEED AND RANGE

- Up to 128Mbps
- Up to 50dB Attenuation (-176dBm/Hz Noise Floor)

#### FAST ETHERNET INTERFACE

- 10/100Mbps
- MDI/MDI-X Auto Crossover

#### QUALITY OF SERVICE

- Priority Based on 802.1p, IP TOS and TCP/UDP Port
- Based on HomePNA Parameterized QoS

#### NETWORK MANAGEMENT

- Web and CLI Configuration
- SNMP, DHCP Client and Relay (Option 82)
- Auto-Configuration for Master and Endpoints
- System Firmware and HCNA Driver Upgrade
- Enable/Disable Endpoint Service
- Subscriber Host Number Control in Endpoint
- Bandwidth Control
- IGMP v2 Snooping Control
- Endpoint Ethernet Statistics and Status
- Diagnosis of HCNA Interface
- Noise Spectrum Analyzer Built-in

#### CONNECTORS

- Ethernet : Two RJ-45 Connectors
- HCNA: Two F-Type Female Coax Connectors, One for HCNA, the Other for TV or Antenna

#### INDICATORS

- "Power" LED
- HCNA "Link/Act", "SyncMode", "Diagnosis" LED
- "LAN1", "LAN2" LED for LAN Port Link/Act

#### RESET BUTTON

- Reset System
- Force to Factory Settings

#### ENVIRONMENTAL CONDITIONS

- Operating Temperature : 0°C ~ 55°C (32°C ~ 131°C)
- Storage Temperature : -10°C ~ 70°C (14°C ~ 158°C)
- Operating Humidity : 10% ~ 95%, Non-condensing

#### POWER REQUIREMENT

- External Power Supply : 5V DC
- Power Consumption : < 4.5 Watts

#### PHYSICAL DIMENSION

- 160mm (W) x 105mm (D) x 28mm (H)

#### UNIT WEIGHT

- 260 g



CC100



CC101

