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COAX CC101/ CC100

Coax Slave Ethernet Bridge / Coax Master Bridge

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-conder
- 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	
0	Redistributes both a broadband and TV signal in a multi-dwelling building from a coax port
\odot	Two 10/100 fast Ethernet ports
\odot	Built-in filter to eliminate "noise" from TV
\odot	QoS priority and mapping support
\odot	Supports service and bandwidth control
\odot	Working in the unison with the CC100, can be configured with a billing solution
CC100 KEY FEATURES	
\odot	Use a multi-dwelling buildings existing coaxial cable network as a distribution backbone
\odot	Built-in filter to eliminate noise from TV/antenna
\odot	Endpoint service and bandwidth control
\bigcirc	Remote web configuration and diagnosis
\odot	QoS priority and mapping support
\odot	Isolated communication between endpoints
\odot	Working in the unison with the CC101, can be configured with a billing solution
\odot	Two 10/100 fast Ethernet ports

The CC100 Coax MDU Master Bridge allows the management of a multidwelling 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.

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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

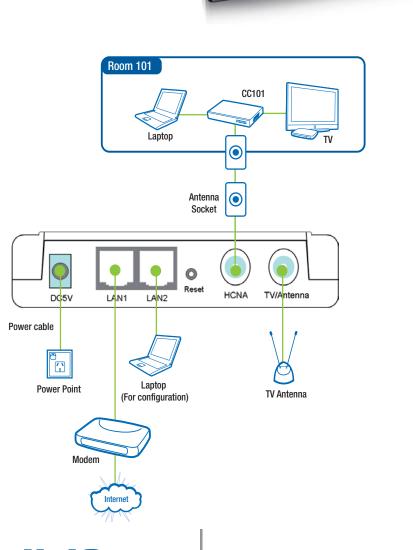
• 160mm (W) x 105mm (D) x 28mm (H)

UNIT WEIGHT

• 260 g



COAX CC101/ CC100







CC101

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