



HomePNA™ Coax Ethernet Managed Bridge Master

HomePNA™ 3.1 Coax Ethernet Managed Bridge Master

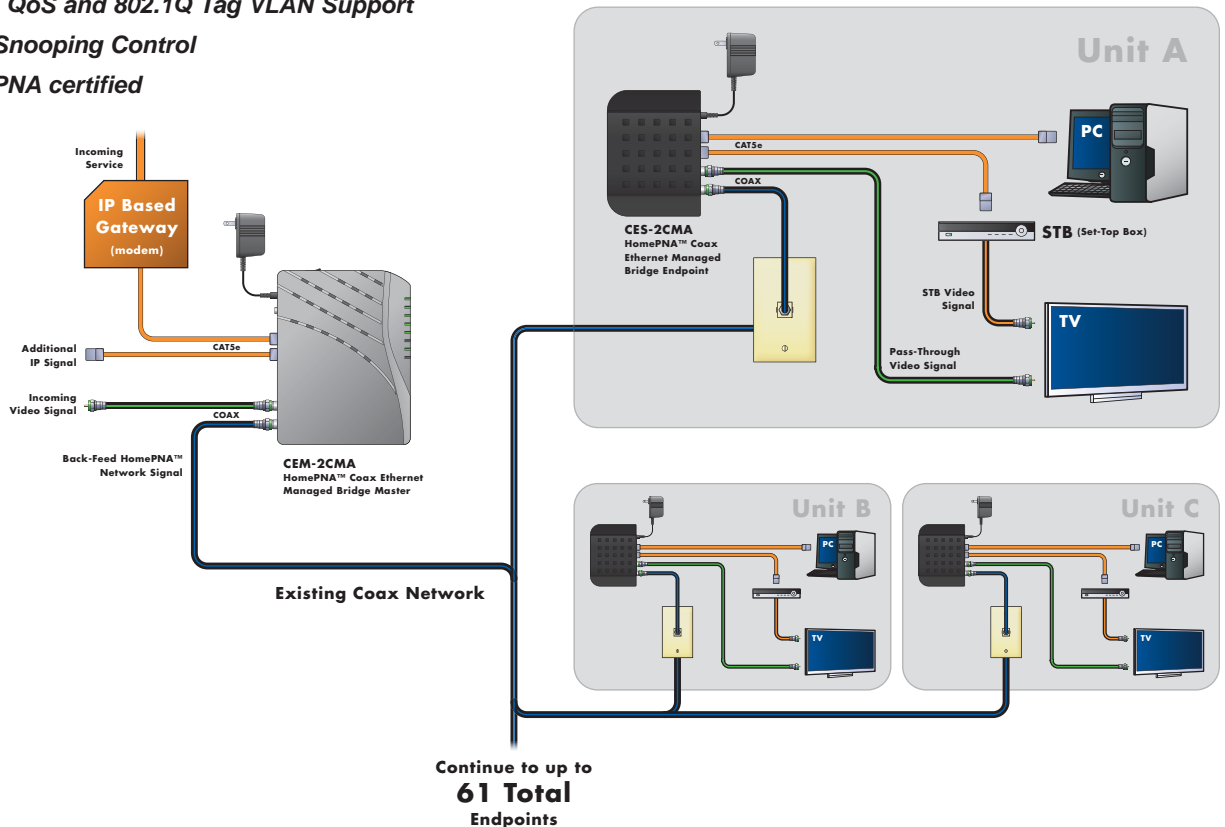


Product Description

The Suttle HomePNA™ Coax Ethernet Managed Bridge Master enables service providers to offer triple-play services in an MDU by utilizing the existing coax infrastructure. The CEM-2CMA device allows for the remote management of subscriber networks to administrate individualized service levels as well as minimize installation and support costs. It can also control up to 61 endpoints (CES-2CMA) each isolated with a secure connection to the master.

Features

- *Designed for Operators Providing High Speed Service over Coax Network*
- *HCNA up to 224 Mbps PHY Rate as Distribution Backbone over Coax*
- *Two 10/100/1000M Gigabit Ethernet Ports for FTTB EPON/GEPON*
- *Up to 65dB Attenuation on Coax Network*
- *Support up to 61 Endpoints*
- *Secured and Isolated Communication between Endpoints*
- *DHCP Client, Option 82 and Snooping*
- *Endpoint Service Control and Bandwidth Control*
- *Noise Spectrum Analyzer Built-in*
- *802.1p QoS and 802.1Q Tag VLAN Support*
- *IGMP Snooping Control*
- *HomePNA certified*



Specifications

Connectors	----- Ethernet: 2 RJ45 connectors HCNA : 2 F-type female coax connectors (1 for HCNA, 1 for TV)
Network Standards	----- HomePNA 3.1 over Coaxial Cable (HCNA) IEEE 802.3u 100M Fast Ethernet IEEE 802.3ab 1000M Gigabit Ethernet IEEE 802.3az Energy Efficiency Ethernet
Transmission Power	----- -15 +/- 1 dBm
Transmission Spectrum	----- 12 - 44 MHz
Transmission Filter	----- 54 MHz
Transmission Max Data Rate	----- 224 Mbps
Transmission Attenuation	----- < 65dB
Gigabit Ethernet Interface	----- 10/100/1000Mbps auto negotiation MDI/MDI-X auto crossover
Management	----- Web based, CLI and SNMP Support Firmware Upgrade DHCP Support: Client, Option 82 and Snooping Auto Configuration Support Subscriber Host Number Control in Endpoint Priority Based on 802.1p, TOS, TCP/UDP Port 802.1Q TagVLAN Support Diagnosis of HCNA Interface, and Noise Spectrum Analyzer Built-in Bandwidth Control IGMP v2 Snooping Control Endpoint Ethernet Statistics and Status
Power Requirement	----- 12 VDC external power supply or 60VAC +/- 20% power feeding from coax I/F (switch selects external power or line power)
Power Consumption	----- < 8 Watts
Operating Temperature	----- 0°C ~ 55°C (32°F ~ 131°F)
Storage Temperature	----- -10°C ~ 65°C (14°F ~ 149°F)
Operating Humidity	----- 10% ~ 95%, Non-condensing
Dimension	----- 7"W x 5.35"D x 1.38"H 178mm W x 136mm D x 35mm H
EMI/EMC and Safety	----- Complies with FCC Part 15 and VCCI Complies with CE



Part #	Description
CEM-2CMA	HomePNA 3.1 coax ethernet managed bridge master

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