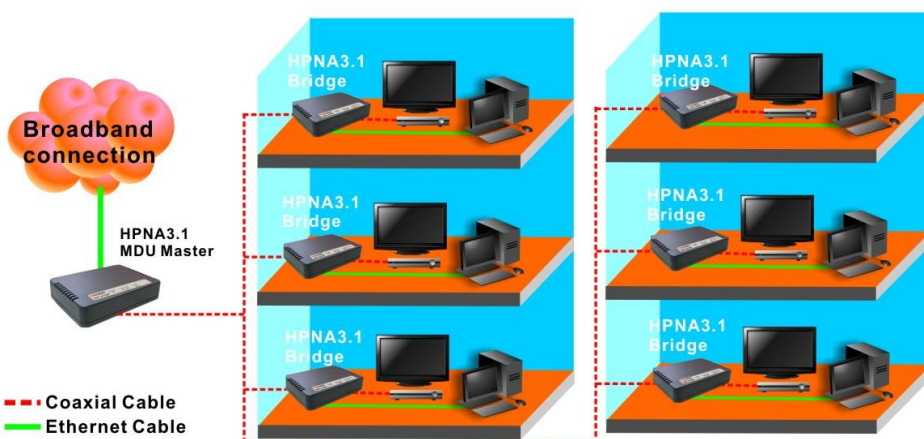# EOC-30M

MDU Master
EOC-30M

General Description

EOC-30M is the latest technological innovation of HomePNA3.1 Ethernet over coaxial master. EOC-30M is designed to connect with EOC-30S HPNA3.1 EoC Bridge for MDU and MTU applications that leverage the two most popular network connections for home use: 10/100Mbps Ethernet connection and coaxial cable connection.

It is a norm that MDU and MTU are equipped with wired network that simply transfer small files and shared applications, but the need for triple play services like transferring large multimedia files such as music, video, photo and deliver high speed VOIP data are ever increasing.

This is why EOC-30M is designed to be a cost effective MDU and MTU solution. With plug & play, this simply eliminates the pain in modification and high infrastructure cost. With the data transmission up to 200Mbps and link establish under -145dBm/Hz noise floor, it meets the growing demand for high speed multimedia services. Most importantly, with MDU and MTU applications, it allows networking for any locations such as buildings, apartments, hotels, resorts, sports center and other places that need a high bandwidth network.

MDU Application

Order Information: EOC-30M(HPNA3.1 Ethernet over Coax MDU Master)
EOC-30S(HPNA3.1 Ethernet over Coax Bridge)

EOC-30M

Key Features & Benefits

- Compliant with HomePNA3.1/HomePNA3.0 over Coaxial cable(HCNA) specifications (ITU-T G.9954)
- Compliant with IEEE802.3 10Base-T and IEEE802.3u 100Base-Tx standards
- Compliant with IEEE802.3x flow control standard
- Provides 2 x 10/100M auto-negotiation RJ-45 Ethernet ports with auto MDI/MDIX
- Provides 2 x F-type female coax connectors for HCNA(12M-44MHz) and TV(47M-1GHz)
- Support transmission speed up to 200Mbps over coaxial cable and link establish under -145dBm/Hz noise floor
- Support point to multipoint application
- Support auto-speed from 32Mbps up to 200Mbps
- Support up to 60 Endpoints(Clients)
- Guaranteed QoS based on HomePNA3.1 parameterized QoS
- For indoor applications only
- EMI certified by CE and FCC

CPE Bridge

EOC-30S

Product Specification

Standards:	IEEE802.3 standard IEEE802.3u standard Compliant ITU-T G.9954 standard
Interfaces:	2 x RJ-45 10/100Mbps Ethernet port 1 x F-type female coax connector for HCNA 1 x F-type female coax connector for STB/TV 1 x 12VDC/1A power jack
Max. Bandwidth:	Up to 200Mbps
Memory Size:	1M bytes
Max. Noise Floor:	-145dBm/Hz
LED Indicator:	1 x Power LED 1 x HCNA Link/Activity LED 2 x Ethernet Link/Activity LED
SAT HCNA Transmission Spectrum:	12MHz ~ 44MHz and coexist at 47MHz
Operating Temperature:	0°C ~ 50°C (32°F ~ 122°F)
Storage Temperature:	-20°C ~ 70°C (-4°F ~ 158°F)
Humidity:	10 to 90% (non-condensing)
Dimensions:	130mm x 94.5mm x 27mm (5.12" x 3.72" x 1.06")

Order Information: EOC-30M(HPNA3.1 Ethernet over Coax MDU Master)
EOC-30S(HPNA3.1 Ethernet over Coax Bridge)