HPNA3.1 Ethernet over Coaxial MDU Endpoint EC310S

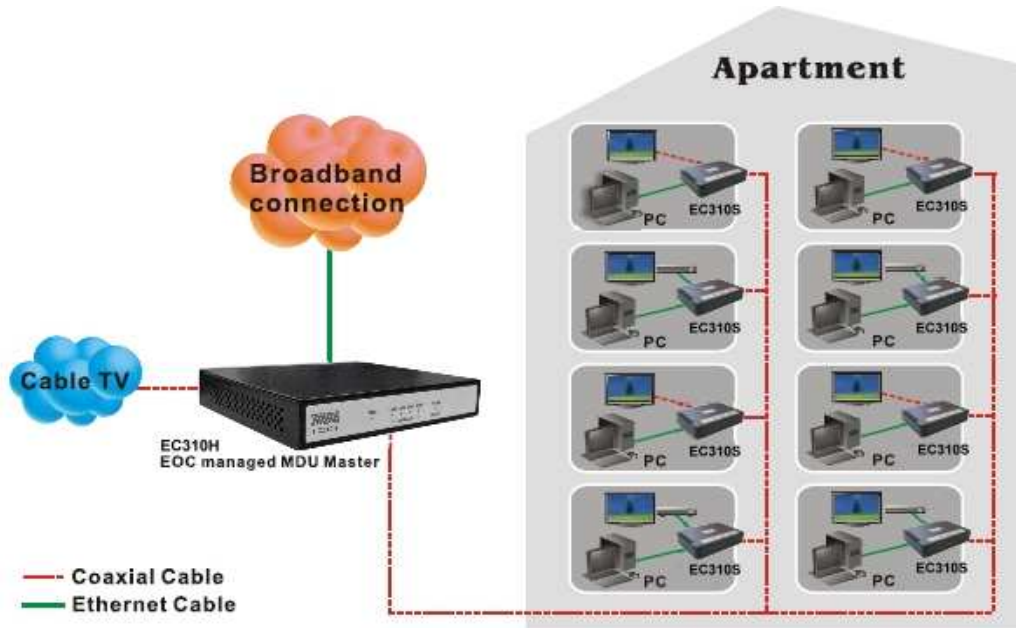

General Description

YODA EC310S is the latest technological innovation of HomePNA3.1 Ethernet over coaxial MDU endpoint. EC310S is designed to connect with EC310H HPNA3.1 Ethernet over coaxial managed MDU master 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 EC310S 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 up to -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

Key Features & Benefits

- Compliant with HomePNA3.1/3.0 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 and TV
- Support transmission up to 200Mbps over coaxial cable and up to -145dBm/Hz noise floor
- Support point to point and point to multipoint application
- Support IEEE802.1p priority mapping
- Support IEEE802.1p/TOS priority queue
- Support IEEE802.1Q Tag VLAN
- Support auto-speed from 4Mbps up to 200Mbps
- Guaranteed QoS based on HomePNA3.1 parameterized QoS
- EMI certified by CE and FCC

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
Max. Noise Floor:	-145dBm/Hz
Max Distance:	1220m (4000ft) over RG-59 75ohm coaxial cable
LED Indicator:	1 x Power LED 1 x HCNA Link/Activity LED

	2 x Ethernet Link/Activity LED 2 x Link Quality 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″)
Power Consumption:	3.6 Watt

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