NH-310C HPNA3.1 Ethernet Bridge over Coaxial
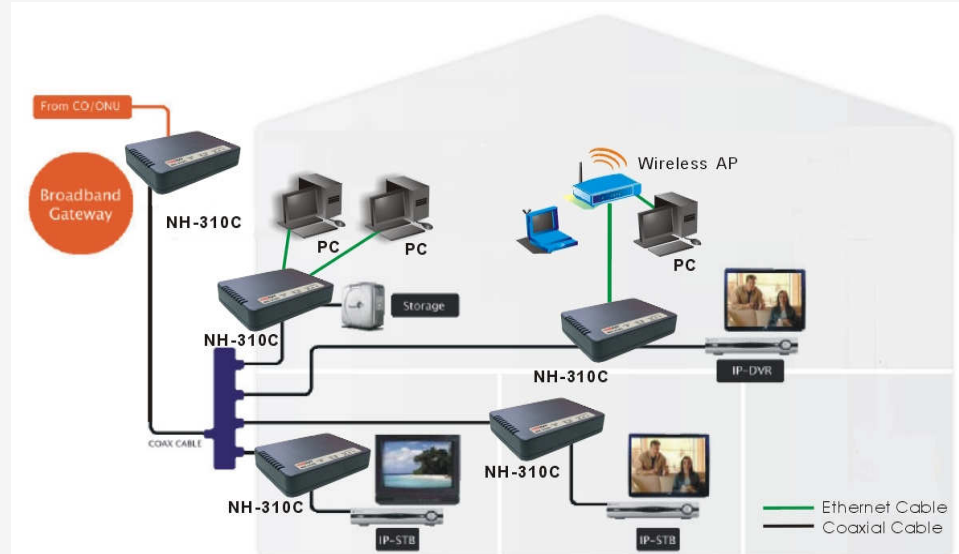
NH-310C

General Description

Netsys' NH-310C is the latest technological innovation of HomePNA3.1 Ethernet Bridge over coaxial. NH-310C is designed for home and office 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 homes and offices 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 NH-310C is designed to be a cost effective home networking 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 -160dBm/Hz noise floor, it meets the growing demand for high speed multimedia services. Most importantly, with point-to-point and point-to-multipoint applications, it allows networking for any locations such as home, office, sports center, buildings, apartments, hotels, resorts and other places that need a high bandwidth network.

Point to Multi-Points Application

For more product information, visit us on the web www.netsys.com.tw

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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 and TV
- Supports transmission speed up to 200Mbps over coaxial cable and up to -160dBm/Hz noise floor
- Supports point to point and point to multipoint application
- Supports IEEE802.1p priority mapping
- Supports IEEE802.1p/TOS priority queue
- Supports IEEE802.1Q Tag VLAN pass through
- Supports auto-speed from 4Mbps up to 200Mbps
- Supports up to 10 endpoints or slaves
- 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 5VDC/1A power jack
Max. Bandwidth:	Up to 200Mbps
Max. Noise Floor:	-160dBm/Hz(Up to 1100m)
LED Indicator:	1 x Power LED 1 x HCNA Link/Activity LED 1 x HCNA Line Speed LED 2 x Ethernet Link/Activity LED
SAT HCNA Transmission Spectrum:	12MHz ~ 44MHz
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")

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RoHS COMPLIANT CE FC