



**General Description**

The **Netsys NH-310C** is the latest technological innovation of HomePNA3.1 Ethernet Bridge over coaxial cable. NH-310C is designed for home and office applications that use the two most popular network connections for home use: 10/100Mbps Ethernet connection and coaxial cable connection.

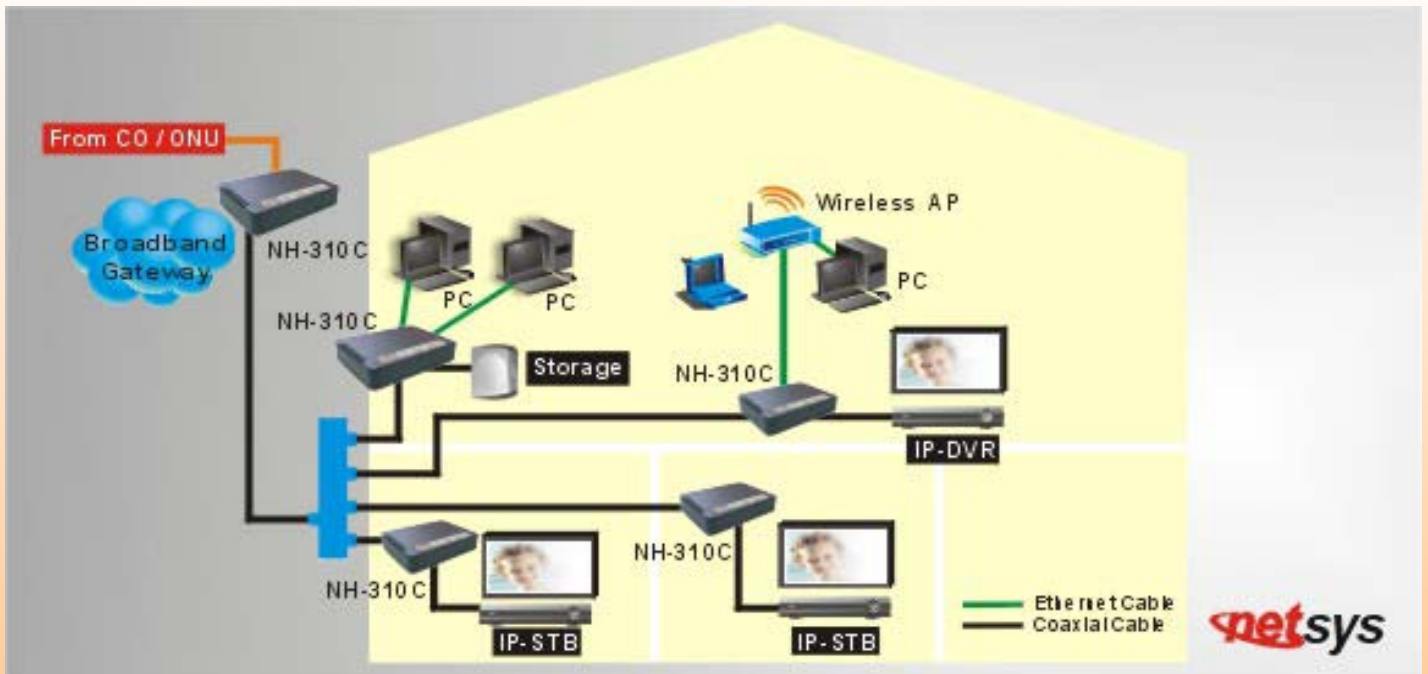
Normally homes and offices are equipped with a wired network that simply transfers small files and shared applications, however for triple play services that require the transfer of large multimedia files such as music, photo, video and the delivery of high speed of VOIP data a much faster Network is needed.

This is why NH-310C is designed to be a cost effective high-speed networking solution, with a plug & play feature that eliminates the pain of modification and the high infrastructure costs involved in replacing an existing Network. The NH-310C supports point-to-point and point-to-multipoint applications, for use in the home, office, sports centre, buildings, apartments, hotels, etc that need higher bandwidth networks. With data transmission speeds of up to 200Mbps, it meets the growing demand for a simple solution that will deliver local multimedia services.

**HomePNA  
3.0 / 3.1 Spec.**

**Speed up to  
200Mbps**

**Maximum Distance  
up to 1220m(4K ft)**



# NH-319C Features & Specifications

Ethernet Beyond 100 Metres

## Key Features & Benefits



**NH-319C**

- 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 distance up to 1220m(4000ft) or -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
- Guaranteed QoS based on HomePNA3.1 parameterised QoS
- EMI certified by CE and FCC

**HomePNA  
3.0 / 3.1 Spec.**



**Speed up to  
200Mbps**

## Product Specifications

Standard:	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 DC jack
Max. Bandwidth:	Up to 200Mbps
Max Distance:	1220m (4000ft) over RG-59 coaxial cable
Max. Noise Floor:	-160dBm/Hz
LED Indicators:	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")

**Maximum Distance  
up to 1220m(4K ft)**