

General Description



NH-310P

The **Netsys NH-310P** is the latest technological innovation of HomePNA3.1 Ethernet Bridge over Telephone cable. The NH-310P is designed for home network applications using 10/100Mbps Ethernet and the existing Telephone cables.

Normally homes 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.

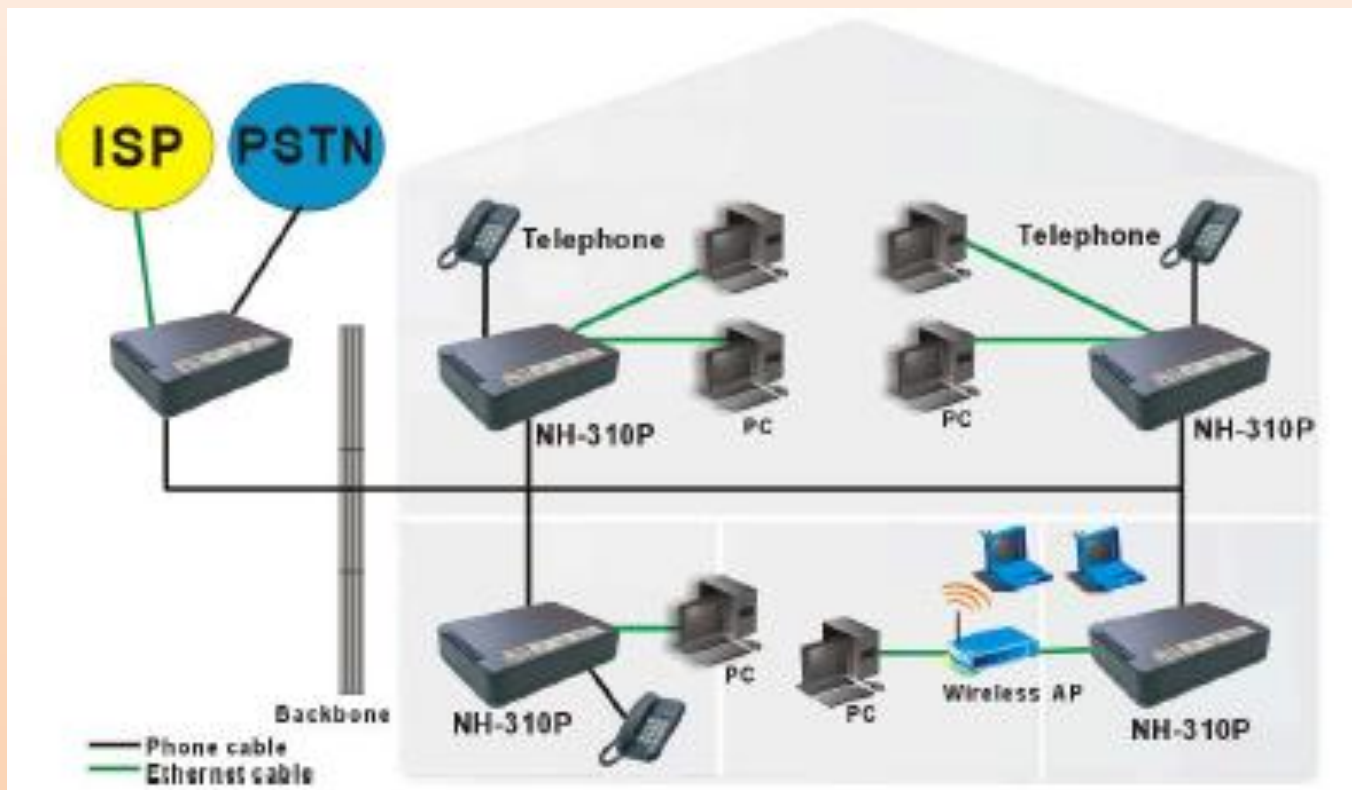
This is why the NH-310P has been designed to be a cost effective high-speed networking solution, with a plug & play feature that eliminates the pain of modification and the high infrastructure costs involved in replacing an existing Network. The NH-310P supports point-to-point and point-to-multipoint applications for use in the home or small office that need high bandwidth. With data transmission speeds of up to 140Mbps, it meets the growing demand for a simple solution that will deliver local multimedia services.



Simple Plug & Play Operation



Uses Standard Single Pair Telephone Cable



Key Features & Benefits

- Compliant with HomePNA3.1/HomePNA3.0 over phone line (HPNA) 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
- Supports transmission speed up to 192Mbps over phone line and distance up to 200m (656ft)
- 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 140Mbps
- Coexist with VDSL
- Guaranteed QoS based on HomePNA3.1 parameterised QoS
- EMI certified by CE and FCC



Standards:	IEEE802.3 / IEEE802.3u / ITU-T G.9954 standard
Interfaces:	2 x RJ-45, 10/100Mbps Ethernet port with Auto-MDI/MDIX 1 x RJ-11/RJ-45 for HPNA port 1 x RJ-11/RJ-45 for telephone 1 x Power jack for 5VDC / 1A power adapter
Max. Bandwidth:	Up to 192Mbps
Max. Distance:	200m (656ft)
LED Indicators:	1 x Power LED 2 x Ethernet "Link/Activity" LEDs 1 x HPNA "Link/Activity" LED 2 x HPNA Line Speed "High/Low" LEDs
SAT HPNA Transmission Spectrum:	36MHz ~ 68MHz
Dimensions:	130mm x 94.5mm x 27mm (5.12" x 3.72" x 1.06") (L x W x H)
Temperature:	Operating: 0°C ~ 50°C (32°F ~ 122°F) Storage: -20°C ~ 70°C (-4°F ~ 158°F)
Humidity:	10% ~ 90% non-condensing
External Power Adapter:	5VDC / 1A