

NH-300SP

2 Ethernet HPNA Modem with splitter

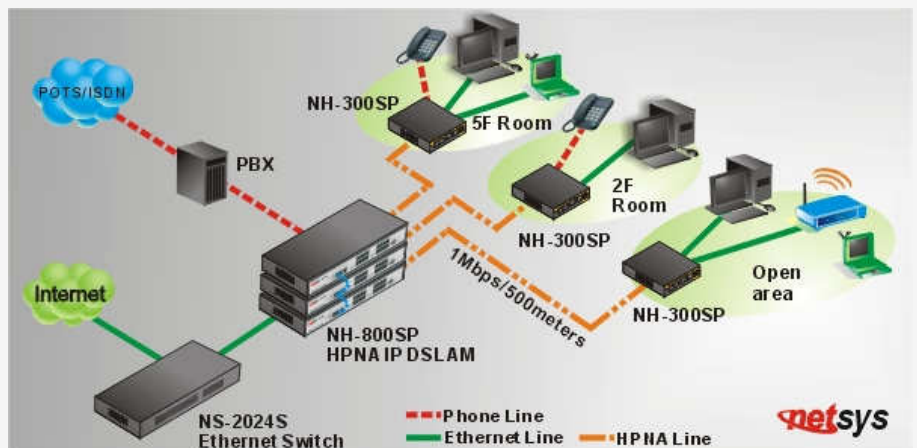


General Description

The Netsys HPNA Ethernet Modem (NH-300SP) provides a cost effective, standards-based HPNA Modem for home phonline networking, hotel/motel, and multi-tenant applications. The NH-300SP is compatible with Netsys HPNA Products and other standards-based HPNA products such as Broadband Routers with integrated HPNA capabilities.

The NH-300SP is HPNA 1.1 compliant and comes ready to plug and play out of the box for distances up to 1,600 feet (500m) at the default line rate of 1Mbps. The HPNA Ethernet Modem operates over existing phone lines or network grade cable (1 twisted pair) and features dual Ethernet ports and a built-in POTS/ISDN splitter to allow telephone (POTS/ISDN/PBX) service over the same phone line or cable. The NH-300SP's Line port is connected to RJ-11 telephone jack of the 2-wire twisted pair phone line (or network cable) connection extending throughout the home or from the central office location. The Phone port connects to the RJ-11 port of a telephone set or fax machine and the two (2) RJ-45 Ethernet ports connect to a NIC, hub, switch, or other network devices including IP phones.

Application Diagram



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Order Information: NH-300SP (2 Ethernet HPNA Modem with Splitter)
NH-800SP (8 ports Managed HPNA IP DSLAM)

netsys
Networking your world

9F, NO.208, TATUNG RD, SEC3, HSI CHIH, TAIPEI HSIEN, TAIWAN, R. O. C
TEL: 886-2-8647-3456 FAX: 886-2-8647-1120 sales@netsys.com.tw



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Key Features & Benefits

- Compliant with 1M Home PNA V1.0 / 1.1 Specifications
- Compliant with IEEE 802.3 & 802.3u Standard
- Support 802.1x and back pressure flow control
- Driver power up to 500 meters with 24 gauge phone wire
- Build in POTS / ISDN filter (splitter)
- Connects 10/100Base-T to HomePNA
- Provides two RJ-11 for HomePNA & Line port and two RJ-45 for 10/100Base-T port
- Support Auto MDIX for Fast Ethernet ports
- Supports 4wires pass through phone set
- Supports 1522 Long packet
- Supports broadcast storm filtering
- Plug & Play, no software require
- No need to Re-wire for RJ-11.
- Uses existing phone jacks
- Safety by FCC & CE Class B

Product Specification

Standard:	IEEE802.3 standard IEEE802.3u standard Compliant with 1M Home PNA V1.0 / 1.1 Spec.
Interface:	2 x RJ-45 10/100Mbps Ethernet port (Auto MDIX) 2 x RJ-11 for 1Mbps HomePNA (one for splitter)
Flow Control:	Back pressure
Filter/Forward Rate:	148,800 packets/second for 100Mbps 1,488 packets/second for 1Mbps
MAC Address Table:	2K
LED indication:	1 x Power LED 2 x Link/Active Status for Ethernet port 1 x Link Status for HPNA port
Switch method:	Store and forward
Band Pass Spectrum:	5.5MHz ~ 9.5MHz
Splitter Spectrum:	0 ~ 1.1MHz
Queue Buffer:	64k bits packet buffers
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:	95 x 110 x 24 mm
External Power Adapter:	Input: AC 100-240 volts / 50-60Hz Output: DC 5V / 1A

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