

Wireless



KEY FEATURES

- ⓧ Turbo Data Rates of up to 85Mbps
- ⓧ 56 Bit DES Security
- ⓧ Extend Your Wireless Range
- ⓧ Portable Ethernet Wireless Access Point
- ⓧ Additional Ethernet Port for Wired Applications
- ⓧ Consistent and Reliable Wireless Connectivity
- ⓧ Overcome Problems with Thick Walls and Blind Spots
- ⓧ Transforms Standard Power Sockets to a Wireless Access Point/ Client
- ⓧ No new cables, no drilling. Plug and Play

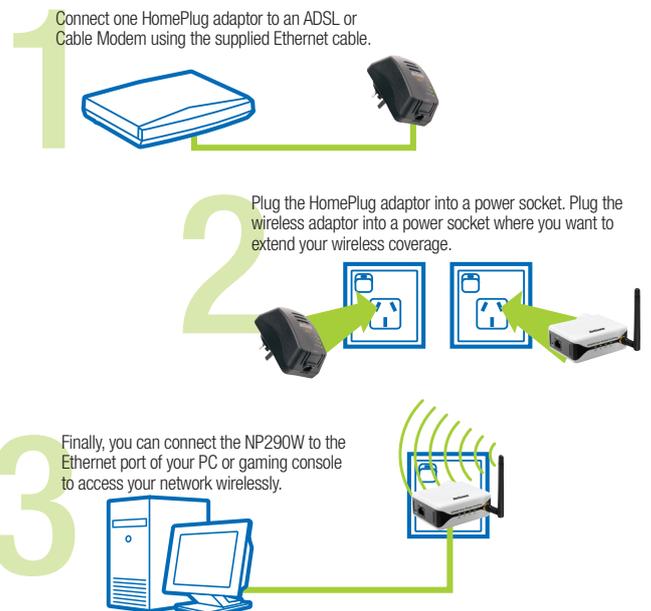
Instant wireless networking with NetComm's NP290W HomePlug

HomePlugs transform your in-house power circuit into an Instant Ethernet Network without the need to install new cables or drill holes through walls and floors.

With the NP290W Turbo Wireless Homeplug you can connect any wireless enabled device to your HomePlug "network", including PCs, laptops, gaming consoles, IP Cameras and ADSL Modem/Routers. In fact anything that has Wireless capabilities.

With a data carrier rate of up to 85Mbps using the ethernet port and up to 54Mbps using the wireless connection and a range of 200 metres, HomePlugs are the ideal way to extend your network access to any room or any floor in your home or office. HomePlugs are also secure, using DES encryption to keep your data secure from eavesdroppers.

No more worries about wireless blackspots, no more hassle of having to stream lengths of ethernet cable. NetComm HomePlugs are networking, without the work.



TECHNICAL SPECIFICATIONS

PROTOCOL/STANDARDS

- HomePlug 1.0 specification, IEEE 802.3 10/100 Ethernet (100Mbps) and IEEE 802.3u Fast Ethernet Compliant
- 10/100 Mbps AutoMDI/MDIX Support
- 85Mbps Homeplug 1.0 compatible
- IEEE 802.11g Wireless Specifications

RANGE

- up to 300 meters via Wireless LAN (outdoor)
- up to 200 meters via homeplug

TRANSMISSION RATE

- up to 54Mbps via Wireless LAN G
- up to 85Mbps via homeplug

MODULATION SUPPORT

- DSSS (Direct Sequence Spread Spectrum) Wireless LAN standard
- OFDM 256/64/16, DQPSK, DBPSK and ROBO Modulation Scheme

FREQUENCY BAND

- 4.3 Mhz to 20.9 Mhz band

SECURITY

- WEP (Wired Equivalent Privacy) via Wireless LAN
- WPA (Wi-Fi Protected Access) via Wireless LAN
- 56 bit DES Encryption with key management for secure powerline communications (Web-based Configuration)

WIRELESS MODE

- Wireless Access Point (AP)
- Wireless Client

HOMEPLUG QUALITY OF SERVICE

- Forward Error Correction (FEC) support
- Channel Adaptation ensures that signal integrity is maintained even under harsh noise environment
- CSMA/CA with prioritization and ARQ for reliable delivery of Ethernet packets via Packet Encapsulation
- Four Level prioritized random access method
- Segment bursting and contention-free access ensures high throughput while maintaining low latency response and jitter performance

HARDWARE

- Intellon INT5500 Integrated Single-chip Powerline Network Transceiver
- Intellon INT1200 Analog Front End IC
- Infineon Wildpass Wireless 11b/g chipset solution

PLATFORM SUPPORT

- O/S Independent with TCP/IP protocol installed
- Configuration via Setup Utility (thru Homeplug and Ethernet only)

POWER SUPPLY

- Switch Mode 100V-240V Supply for worldwide plugs (Euro, US, UK and AUS)

LED INDICATORS:

- 1 x Power LED
- 1 x Powerline Link/Activity Status LED
- 1 x Ethernet Link/Activity Status LED
- 1 x Wireless LAN Activity Status LED

EXTERNAL CONNECTORS:

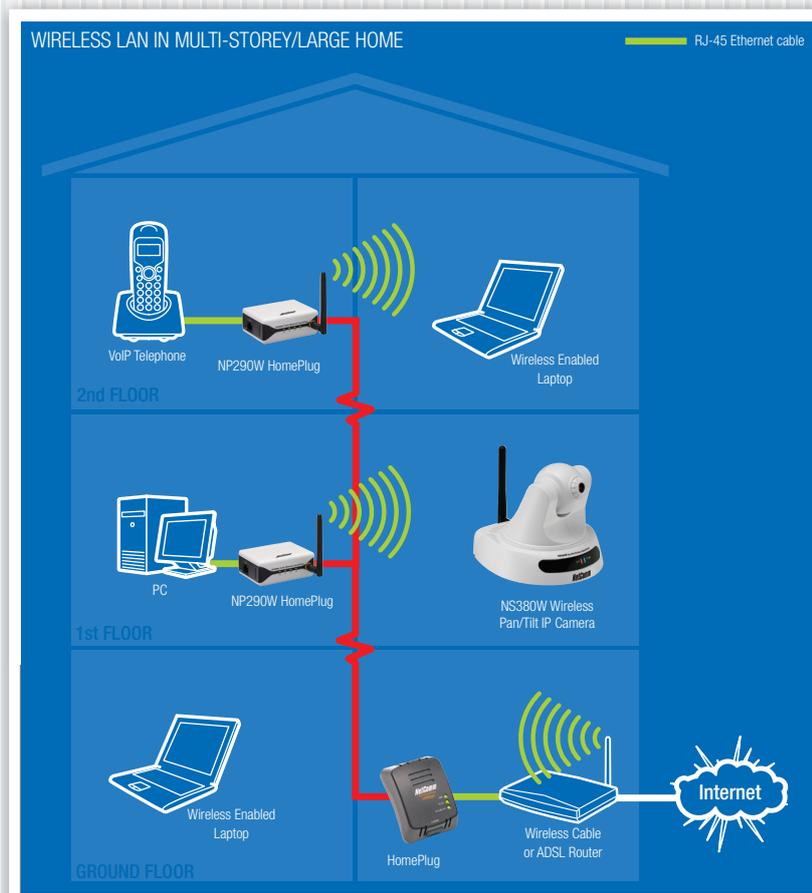
- 1 x Electrical Power plugs
- 1 x RJ45 for 10/100 Ethernet (AutoMDI/MDI-X)
- 1 x Wireless Antenna (3dBi Dipole)
- 1 x Reset Button (default to Factory Settings)

PACKAGE CONTENTS

- 1 x NP290WSingle Turbo HomePlug Adaptor
- 1 x RJ-45 10/100 Ethernet cable
- 1 x Configuration CD
- 1 x User Guide – on CD
- 1 x Quick Start Guide – on CD

NP290W HomePlug:

The Wireless Homeplug with 802.11G transforms your in-house power circuit into networking infrastructure and a Wireless LAN connection. It's ideal for anyone to extend their wireless signal coverage for Internet access or to create an internal network. Surf the Internet and share data at up to 54Mbps in any indoor or outdoor environment. The NP290W also comes with 56 bit DES encryption security available if required.



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