NETCOMM POWERLINE™ SERIES
85Mbps Powerline Adapters
Twin Pack

NetComm®

KEY FEATURES

- ◉ Turbo Data Rates of up to 85Mbps
- ◉ No new wires, no drilling, no hassle, no mess!
- ◉ Range of up to 200 metres (point to point) – thick concrete walls or multi-storeyed houses are no longer an issue
- ◉ Extend or create an Ethernet network using existing household powerpoints
- ◉ A great way to connect gaming consoles to the Internet
- ◉ No more wireless networking headaches
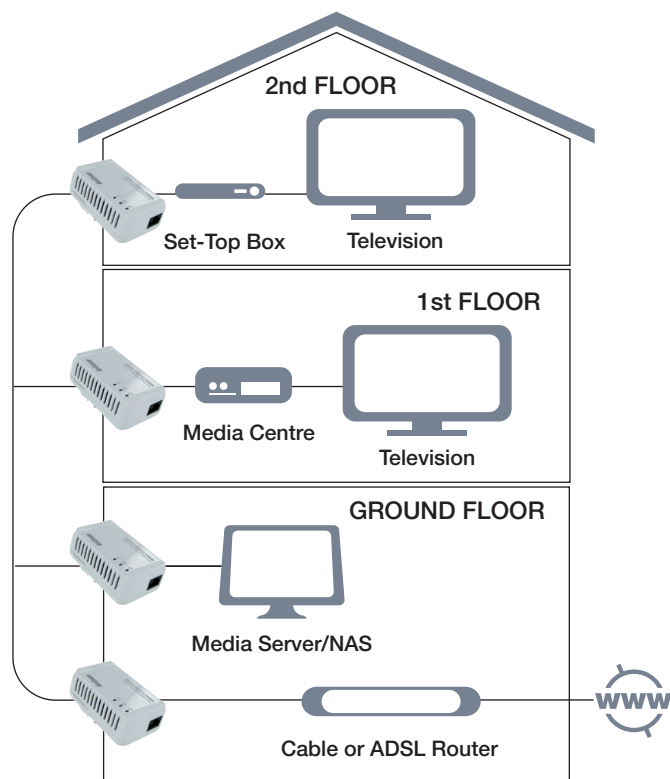- ◉ Backwards compatible with 14Mbps HomePlug

Model Code/ Part Number	Description	APN Code
NP285	NetComm Powerline 85Mbps Powerline Adapters - Twin Pack	9317773010848

Instant networking with NetComm's NP285 Turbo Powerline Adapters

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

You can connect up to 15 devices to your Powerline network, including PCs, laptops, gaming consoles and ADSL Modem/Routers. With a data carrier rate of 85Mbps and a range of 200 metres, Turbo Powerline is an ideal way to extend your network access to any room or any floor in your house or office.

Powerline networking is also secure, using its DESpro encryption to keep your data secure from eavesdroppers.

2nd FLOOR

Set-Top Box   Television

1st FLOOR

Media Centre

Television

GROUND FLOOR

Media Server/NAS

WWW

Cable or ADSL Router

TECHNICAL SPECIFICATIONS

PROTOCOL/STANDARDS
- HomePlug 1.0 specification, IEEE 802.3 10/100 Ethernet (10 Mbps) and IEEE 802.3u Fast Ethernet Compliant (100 Mbps)
- Integrated Physical Layer (PHY) and Media Access Controller (MAC)
- 10/100 Mbps AutoMDI/MDIx support
- 85 Mbps HomePlug 1.0 compatible Modulation Support
- OFDM 256/64/16, DQPSK, DBPSK and ROBO Modulation Scheme

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

FREQUENCY BAND
- 4.3MHz ~ 20.9MHz

SECURITY SUPPORT
- 56-bit DES Encryption with key management for secure powerline communications (Use Windows platform to enable encryption)

PLATFORM SUPPORT
- Windows 98SE, ME, 2000 or XP
- OS Independent with TCP/IP protocol installed

POWER SUPPLY
- Switch Mode 90V ~ 240V

LED INDICATORS
- 1 x Power LED
- 1 x Powerline Activity Status LED
- 1 x Ethernet Link/Activity Status LED

EXTERNAL CONNECTORS
- 1 x Electrical Power plugs
- 1 x RJ45 for 10/100 Ethernet (AutoMDI/MDI-X) environmental conditions

- Operating Temperature 0 ~ 50°Celsius
- Relative Humidity 5 ~ 90% (non-condensing)

APPROVALS
- C-Tick

MINIMUM SYSTEM REQUIREMENTS:
- Windows Operating Systems: Microsoft Windows (98se, ME 2000 or XP PC system) with Ethernet connection, Pentium II 300 MHz MMX-Compatible PC or greater, minimum 64MB hard disk space and memory, CD-ROM drive
- Maximum of 15 devices connected to power line network
- All Turbo HomePlugs must be on the same power circuit

PACKAGE CONTENTS
- 2 x NP285 Turbo Powerline Adaptors
- 2 x RJ45 10/100 Ethernet cables
- 1 x Configuration/Manual CD
- 1 x Quick Start Guide - on CD