

# NetComm® NP201 AV HomePlug

www.netcomm.com.au

200Mbps Ethernet Over Power Starter Kit – TWIN PACK



## KEY FEATURES

- ⊕ High speed Data Rates of up to 200Mbps<sup>1</sup>
- ⊕ Simple Connect - Setup your network with the push of a button
- ⊕ The ultimate Homeplug for Audio/Video Streaming and IPTV
- ⊕ 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
- ⊕ Superior bandwidth performance perfect for next gen gaming consoles and HD video
- ⊕ Pair with Wireless to create a hybrid network
- ⊕ No new cables, no drilling. Plug and Play

NetComm's HomePlug AV harnesses the power of Ethernet-over-powerline technology to give you the ability to network your home or small business using the existing electrical wiring, without the setup problems and coverage gaps associated with wireless devices.

HomePlug AV is suitable for many different tasks, from simply allowing you to share your broadband service with multiple devices, to sharing your digital content quickly and easily between your PCs and consumer entertainment (CE) devices (Gaming Consoles, IPTV, Set-top boxes) anywhere in your home or office, without installing additional LAN cables.

NetComm's HomePlug AV solution is capable of up to 200Mbps<sup>1</sup> data transmission meaning it is perfect for delivering consistent, high-quality streaming of audio and SD (Standard-Definition)/ HD (High-Definition) video content.

Use your powerlines to create a network – or build a hybrid network by combining your HomePlug AV with an existing wireless network.

## Product Features

- Enables Triple-Play - voice, video and data networking throughout the home
- Plug & Play simplicity - No installation and configuration required.
- Excellent Quality of Service (QoS) for media streaming
- AutoMDI/MDIX Ethernet Port ensure both cross or straight cable can be used
- O/S independent, no need PC for installation
- 128-bit AES Encryption ensures no security risk from eavesdropping or hacking
- Simple Connect button - Set-up your network with the push of a button

<sup>1</sup> Maximum speed is dependent on environmental factors

## TECHNICAL SPECIFICATIONS

### CHIPSET

- Intellion INT6300 + Intellon ID60 Line Driver.

### SECURITY

- 128-bit AES Encryption.

### RANGE

- 200 meters via HomePlug.

### FREQUENCY BAND

- 2MHz -30MHz band.

### MODULATION

- OFDM 1024/256/64/16/8 - QAM.
- DQPSK.
- DBPSK.
- ROBO Carrier Modulation.

### FEATURES

- Windowed OFDM with noise mitigation based on patented line synchronization techniques improves data integrity in noisy conditions.
- Dynamic channel adaptation and channel estimation maximizes throughput in harsh channel conditions.
- HomePlug® AV MAC: TDMA and prioritybased CSMA/CA channel access schemes maximize efficiency and throughput.
- Integrated Quality of Service (QoS) Enhancements: contention-free access, four-level priority based contention access, and multi segment bursting.
- ToS, CoS and IP Port Number Packet Classifiers.
- Supports IGMP managed multicast session.
- 30% Power Savings Mode.
- Co-existence with HomePlug® 1.0 Nodes

### PLATFORM SUPPORT

- Utility - Windows98, SE, 2000 XP and Vista.
- Homeplug - O/S Independent via TCP/IP protocol installed.

### LED INDICATION

- Power.
- PowerlineLink/Activity.
- Ethernet Link/Activity.

### EXTERNAL CONNECTORS

- 1x RJ45 10/100 AutoMDI/MDIx.

### APPLICATIONS

- High-Definition (HD) and Standard-Definition (SD) video distribution.
- Broadband TV (IPTV).
- Digital Media Centre and Personal Video Recorder (PVR).
- A/V Streaming and higher data rate broadband Internet sharing.
- DSL/Cable Modem Installation extender.
- Voice over IP Calls.
- PC File and Application sharing.
- Printer and peripheral sharing.
- Network and Online Gaming.
- Network Camera LAN extension.
- Wireless LAN Extension.

## PACKAGE CONTENTS

- 2 x NP201AV HomePlugs
- 2 x Ethernet Cable
- Printed Quick Start Guide
- Software Utility CD
- User Guide (PDF) – on CD

## MINIMUM SYSTEM REQUIREMENTS

- Computer or network devices with free ethernet port
- Available Powerpoints

## CONNECTION EXAMPLES

