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### Indoor Wireless Router

# NetPassage NP25G

WIRELESS 54Mbps XR<sup>TM</sup> ROUTER

Using the latest AR5007 technology, NetPassage NP25G is a high-performance and low-cost IEEE802.11b/g router. Using Atheros System-on-Chip (SoC) solution, NP25G supports high-speed data transmission of up to 54Mbps.
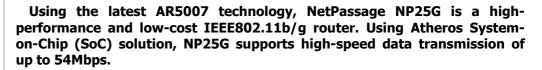
NetPassage NP25G combines 3 devices into one box. It works as a Wireless Access Point, which allows you to connect Wireless B/G devices to the network. It also has a 4-port full-duplex 10/100Mbps switch which connects your wired Ethernet devices directly to 4 PCs or to additional hubs and switches to create a larger network. NP25G also works as a router that lets your whole network share a high-speed cable or DSL Internet connection.

To ease the complexity of setting up a secured network, NetPassage NP25G* uses WSC (Wireless Simple Config). WSC-Enabled devices, which include both Access Points and Client devices, will use a standardized discovery and registration protocol. After a device is accepted, the device and the AP will use a shared security key. A network administrator or home user will just need to push a single access button on NP25G to allow it to enter the network.

## Features

- Atheros eXtended Range technology

- 180Mhz, 16MB SDRAM, 4MB Flash

- Integrated 2.4GHz b/g band radio.

- Supports 64/128-bit WEP, TKIP, AES, IEEE802.1x authentication

- Multiple SSID feature with VLAN segmentation

- Supported  Wireless Simple Config(WSC) [1]

- Supported Virtual  Access Point (Multiple SSID) [1]

# TECHNICAL SPECIFICATIONS

| SYSTEM INFORMATION | |
|---|---|
| **Processing Specifications** | Atheros AR2317 (180 Mhz) Networking Processor |
| **Memory Size** | 16MB SDRAM |
| **WAN Interface** | 1 x 10/100Mbps Ethernet Port |
| **LAN Interface** | 4 x 10/100Mbps Ethernet Port |
| **Antenna** | 2dBi detachable SMA antenna |
| **Max power consumption** | 5 Watts |
| **Power Supply** | 7.5V DC Power Adapter |
| **Certification** | FCC, CE Mark |
| **ROHS Compliance** | Yes |
| **Weight** | 260 grams (estimated) |
| **Operating Temperature** | -20ºC to 70ºC |
| **Dimension** | 145 x 132  x 41mm(H x W x D) |

| RADIO SPECIFICATIONS | | |
|---|---|---|
| **Out Power** | **802.11b** | 20 dBm (+1.0dB/ -1.5dB) |
| | **802.11g** | 20 dBm (+1.0dB/ -1.5dB) |
| **Modulation Techniques** | | OFDM,CCK,DSSS |
| **Receiver Sensitivity** | **802.11b** | 802.11b   <-90 dBm  @ 1Mbps,    <-70 dBm @ 11Mbps |
| | **802.11g** | 802.11g   <-90 dBm  @ 6Mbps,    <-70 dBm @ 54Mbps |
| **Operating Channels** | **US and Canada** | 11 Channels |
| | **Europe** | 13 Channels |
| | **Japan** | 14 Channels |

# Firmware Information

### Wireless Simple Config[①] (WSC)
• Ease the complexity of setting up a secured network.
• With a single access button, a shared security key is setup in the network.

### Virtual Access Point[①] (Multiple SSID)
• Supports up to 2 virtual access points (VAP), with unique BSSIDs.
• Each VAP will be able to configure their own security (WEP,TKIP, AES)

### Bandwidth Control
• Gives the administrator the choice to manage the bandwidth of subscribers in case massive data transfer slowdown Internet access of other users.
• Ability to limit the Upload/Download bandwidth at WAN/LAN ports using either IP address or MAC address.

| FIRMWARE INFORMATION | |
|---|---|
| Operating Modes | • Access Points <br> • Router |
| WAN Type | • Static IP <br> • Dynamic IP <br> • PPPoE <br> • PPTP |
| Device Management | • HTTP / HTTPs Web Server |
| Data Capture & Notification | • Detailed Statistics per Client |
| Virtual Access Point (VAP) | • Up to 2 SSIDs with unique MAC Addresses (BSSID <br> • Configurable Security (WEP,TKIP,AES,MAC Filtering) per VAP |
| Advanced Features | • IP Zero Configuration <br> • Transmission Power Control (One dB per step) <br> • Closed System (Suppress SSID) <br> • Transmission Rate Control <br> • Virtual Access Point |

| OTHER PROMINENT FEATURES | DESCRIPTION |
|---|---|
| Automatic Secure Wireless Connection | Automatically setup and connect user with a secure wireless connection |
| Virtual Access Point | Supports up to 2 virtual access points (VAP), with unique BSSIDs. <br> Each VAP will be able to configure their own security (WEP,TKIP, AES) |
| Remote Upgrade of Firmware | Allows user to upgrade their firmware through Telnet/SSH |
| IP Zero Configuration | Allow user computer to access internet using any IP, gateway and DNS |

## Customizable Features[②]

| CUSTOMIZABLE FEATURES | DESCRIPTION |
|---|---|
| Web Page Customization | Customize webpage for OEM customers. |

## Product Information [3]

| MODE NAME | FLASH&MEMORY | Wireless Simple Config | Virtual Access Point | Device Management |
|---|---|---|---|---|
| NetPassage NP25G 6A | Embedded with 16MB SDRAM and 4MB Flash | Supported | Supported | HTTP/ HTTPS Web Server |
| NetPassage NP25G 6C | Embedded with 16MB SDRAM and 2MB Flash | Not Supported | Not Supported | HTTP Web Server |

## Ordering Configurations [4]

| CODES | POWER VERSION | CARTON DIMENSIONS |
|---|---|---|
| NP25G 6X13EU | EU VERSION | For 10pcs (pcs/ctn), 0.78m * 0.38m * 0.25m / 0.006 = 12.35KG |
| NP25G 6X11US | US VERSION | |

[1]  Not available in NP25G 6C Version
[2]  Features Not Available on the Firmware. Please contact salesperson for customization. Subjected to approval
[3]  Configurations are subjected to change without notice
[4]  Contact sales person for ordering configurations for different mode

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