PLANET Networking & Communication

Pioneer of IP Innovation

802.11n Wireless 3G Router

WNRT-617G

www.planet.com.tw

Copyright © PLANET Technology Corporation. All rights reserved.

Outline

- Product Overview
- Product Features
- Product Applications
- Operation Mode
- Web UI
- Comparison - Internal
- Comparison - External
- Appendix

WNRT-617G

Product Overview

-Front Panel

- **Dimensions**

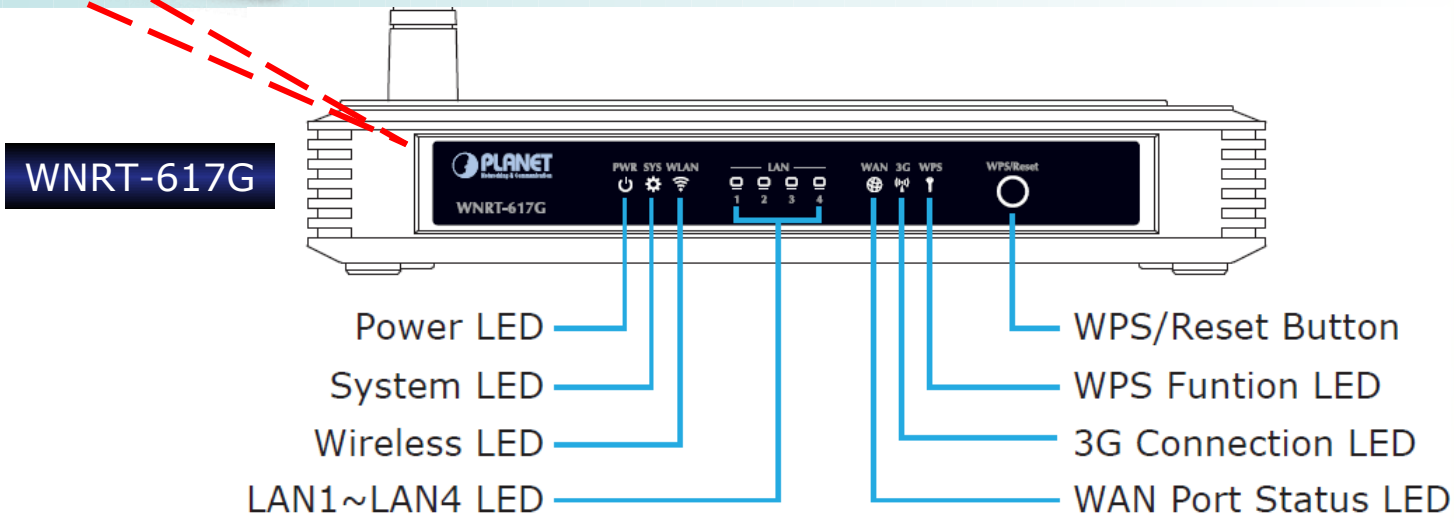
  174 x 110 x 23 mm

- **Weight**

  200g

- **Power**

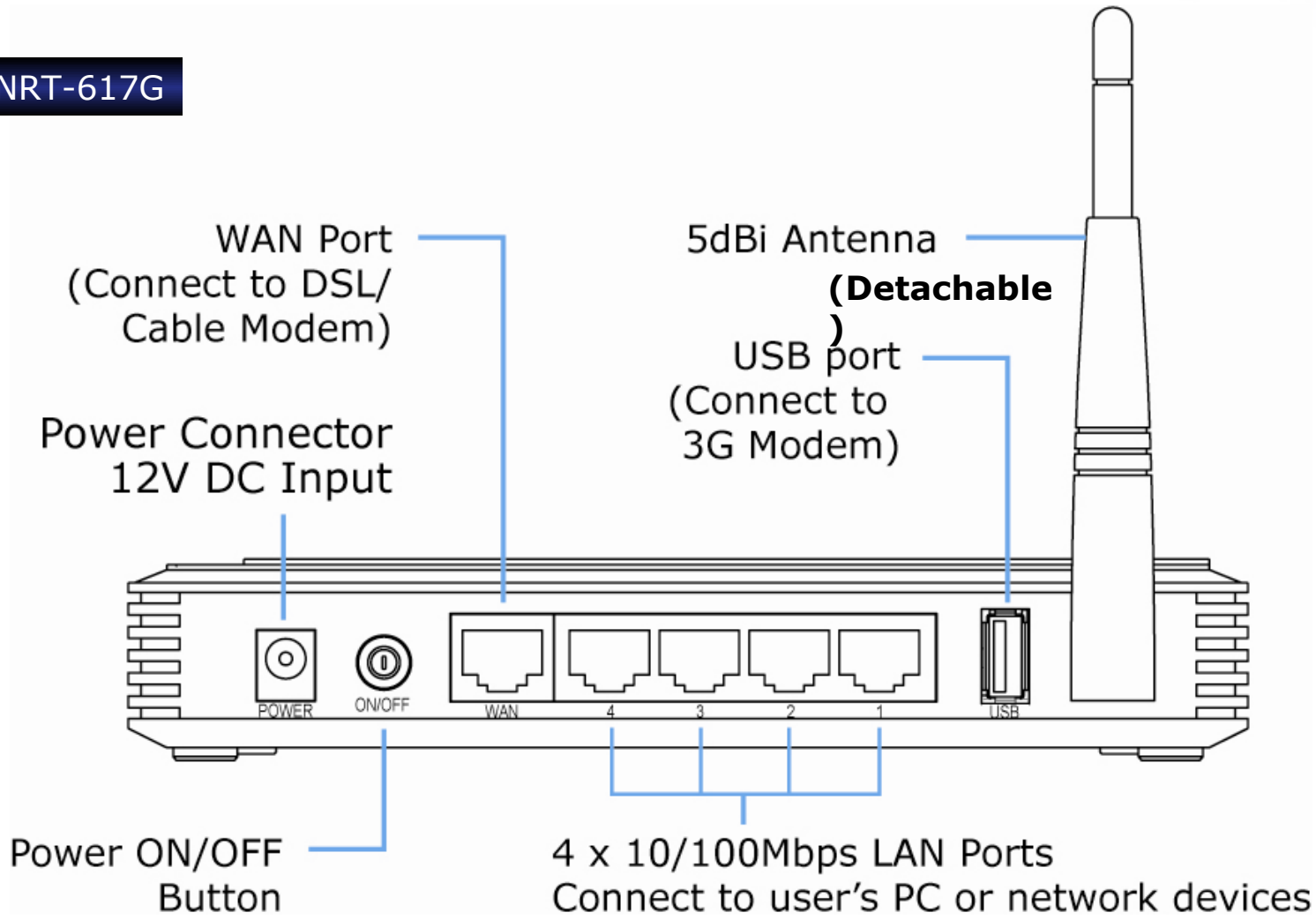
  12V DC, 1A



Product Overview

-Rear Panel

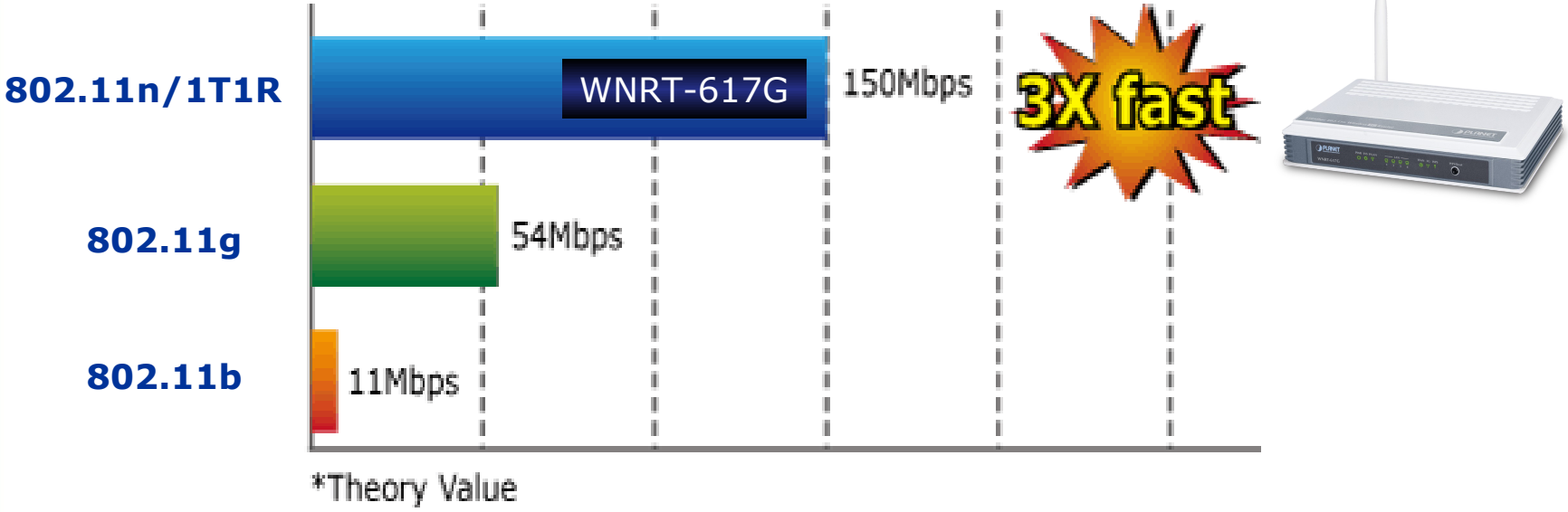
WNRT-617G



Product Features

Industrial Compliant Wireless LAN & LAN

- ✓ **Compliant with IEEE 802.11n Wireless Technology**
- ✓ **Data rate up to 150Mbps**
- ✓ **Backward Compatible with 802.11b/g Standard**
- ✓ **LAN/WAN: 10/100Mbps, Auto MDI/MDI-X Supported**



Product Features

- **3G / 3.75G Mobile Internet Connection**
  - ✓ **Dual Network Interfaces: WAN Port for Cable / Wired DSL Service and 3G Mobile Connection**
  - ✓ **Compatible with UMTS / HSPA / EVDO Mobile Network**
- **Fixed-network Broadband Router**
  - ✓ **WAN types**
    - Dynamic IP
    - Static IP
    - PPPoE
    - Telstra Big Pond
    - L2TP
    - PPTP
    - Russia Dual-Access
  - ✓ **Supports Static Routing, UPnP, Dynamic DNS**

Product Features

Secure Network Connection

- ✓ **Support Wi-Fi Protected Setup (WPS)**
- ✓ **Advanced security:**
  - 64/128/152-bit WEP
  - WPA/WPA2
  - WPA-PSK/WPA2-PSK (TKIP/AES encryption)
  - 802.1x
- ✓ **Support NAT firewall features, with SPI function to protect against DoS attacks**
- ✓ **Support IP / Protocol-based access control and MAC Filtering**

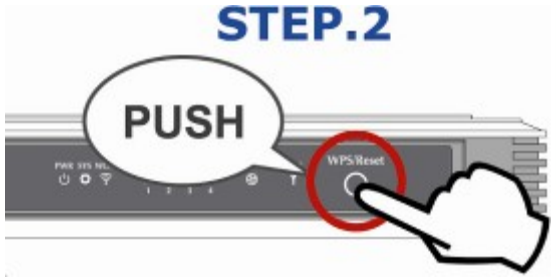
Product Features – WPS Easy Setup

WPS (Wi-Fi Protected Setup)

– Quick and Easy Wireless Connection

✓ **STEP.1**

In the Wireless Client, click the WPS Software Button from the Web UI



✓ **STEP.2**

In the AP, push the WPS Hardware Button from the front panel within 2 minutes

✓ **STEP.3**

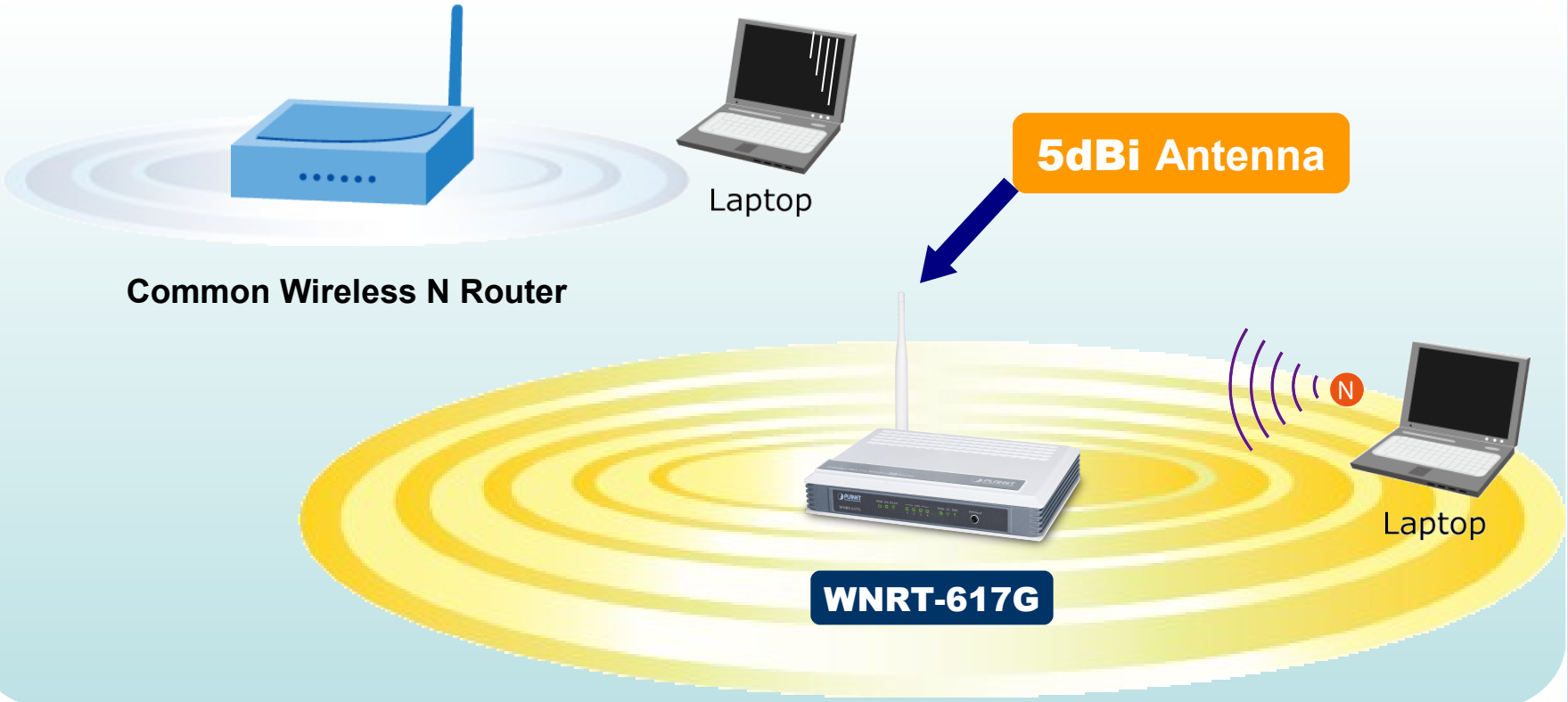
Wait for the connection being establish

Product Features

- **Multiple Wireless Network Technologies for Greater Access**
  - ✓ **Multiple Operation Modes:**
    - AP
    - Client
    - WDS (Bridge)
    - WDS+AP
    - WISP
  - ✓ **5dBi high gain antenna provides better RF coverage and reduce the dead-spot indoor**

Product Features

- **5dBi High Gain Antenna**
  - **Wide Wireless Coverage Range**
  - **Reduce Dead-spot**



Product Features

Secure Network Connection

- ✓ Supports Static Routing, WDS, UPnP, Dynamic DNS
- ✓ Supports Wi-Fi Protected Setup (WPS)
- ✓ Advanced Security: 64/128/152-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK with TKIP/AES Encryption, and 802.1x Authentication.
- ✓ Supports NAT Firewall Features, with SPI Function to Protect against DoS Attacks

Product Features

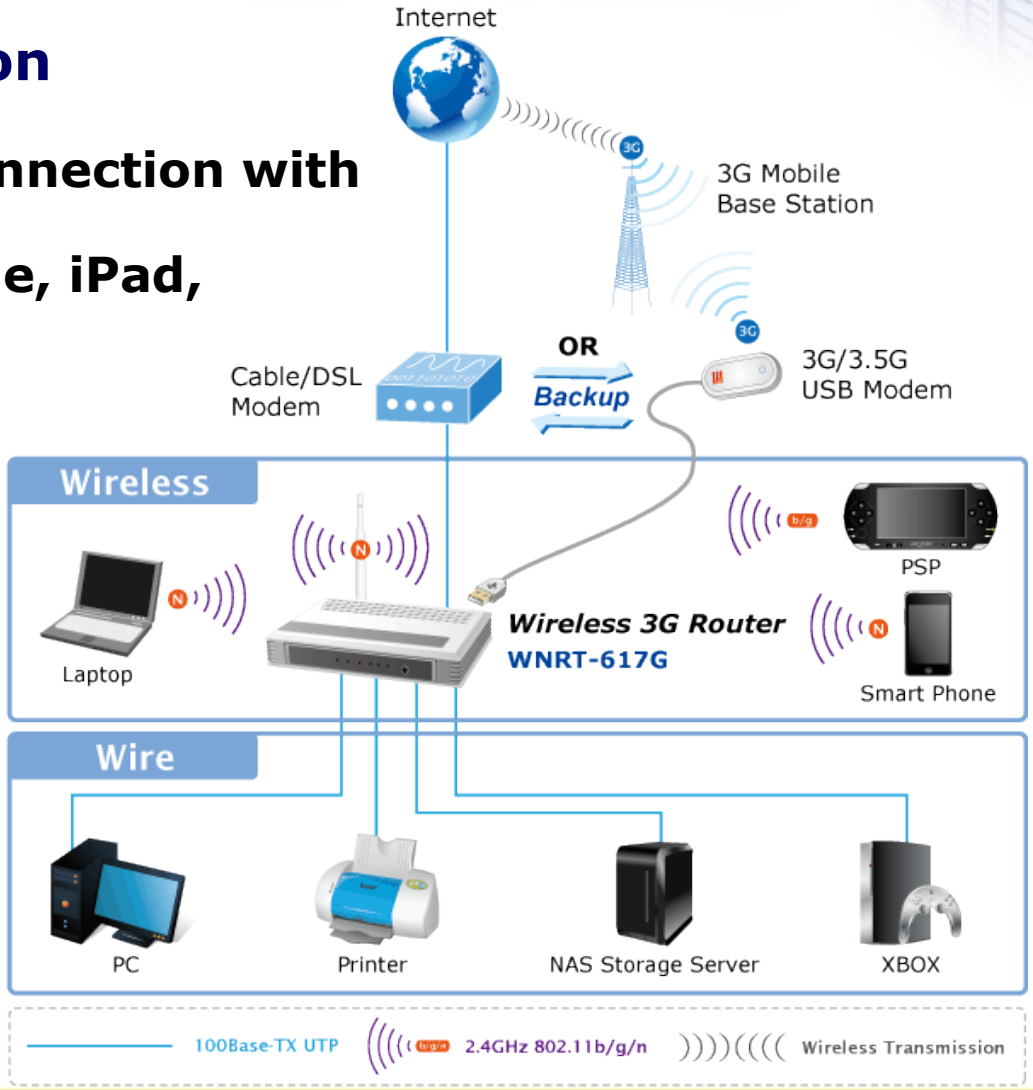
- **Advanced Networking function for Specific Application**
  - ✓ **Supports multiple sessions IPSec, L2TP and PPTP VPN pass-through**
  - ✓ **Supports Virtual Server, ALG, DMZ and UPnP for various networking applications**

- **Easy Installation & Management**
  - ✓ **Remote Management allows configuration from a remote site**
  - ✓ **System status monitoring includes DHCP Client, System Log**

Product Applications

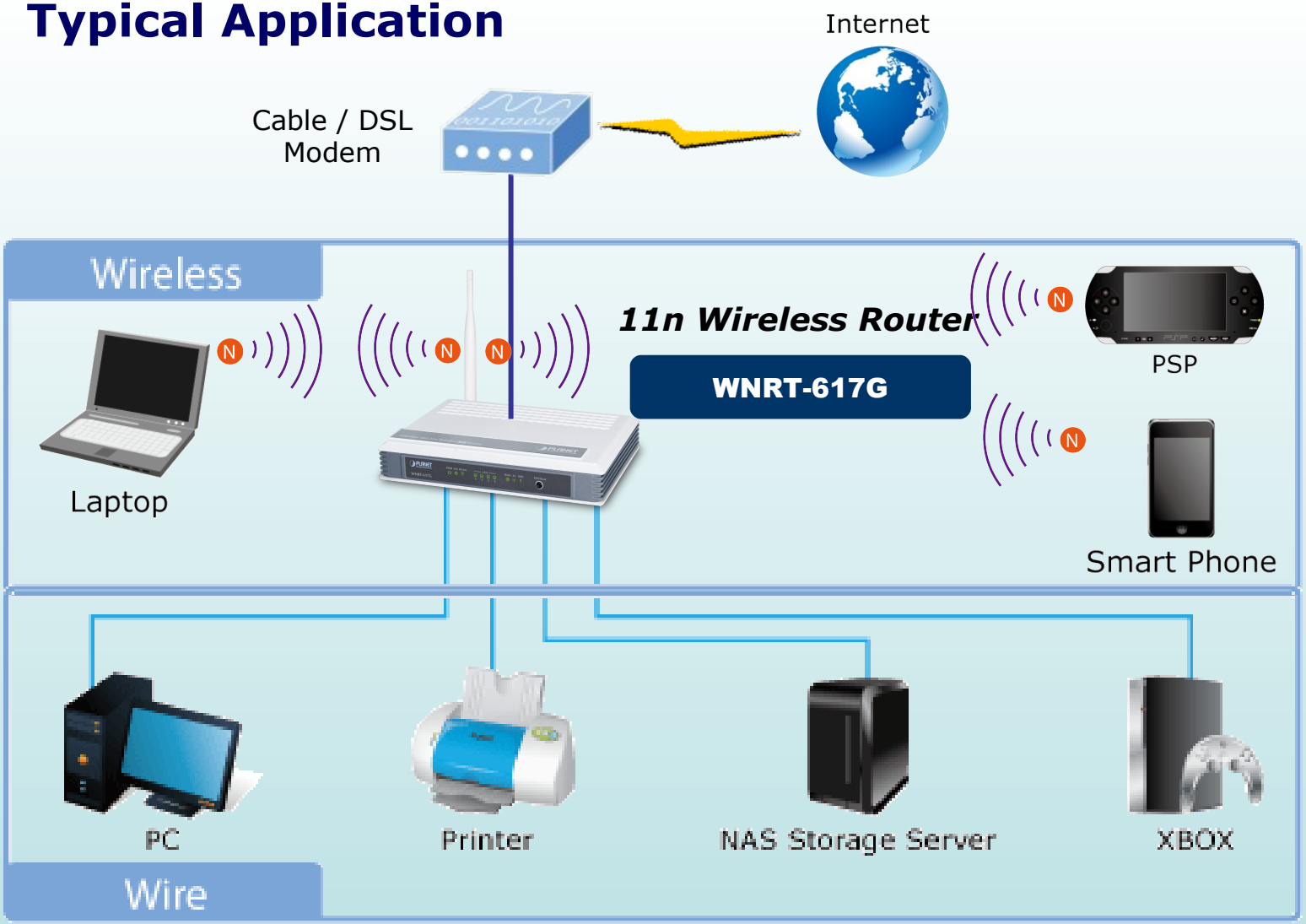
3G Mobile Connection

✓ **Easily share the connection with your laptop, iPhone, iPad, and any other Wi-Fi supported devices.**



Product Applications

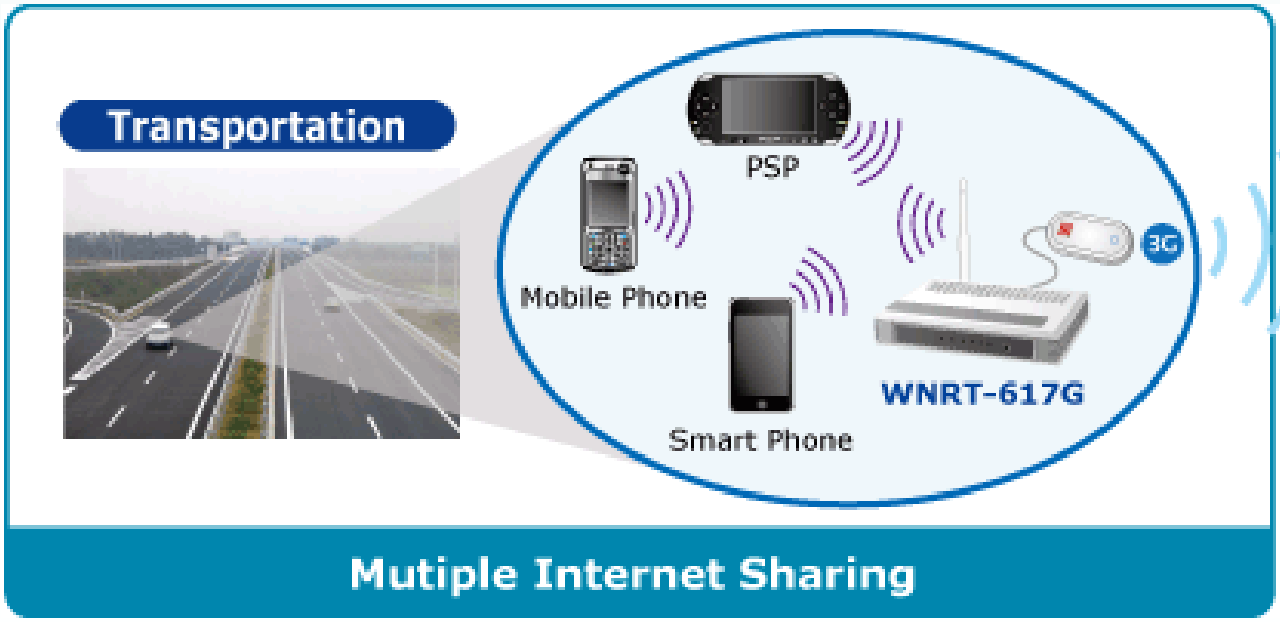
Typical Application

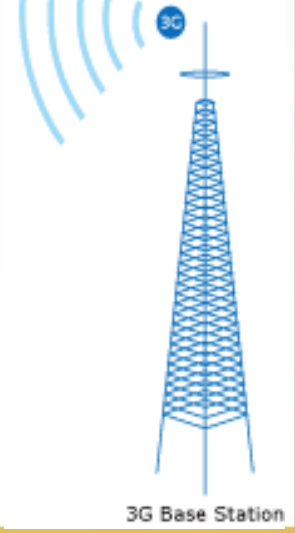


Product Applications

Access The Internet Anywhere And Anytime

- ✓ **Share the Internet with your friends even in transportation or any public area.**

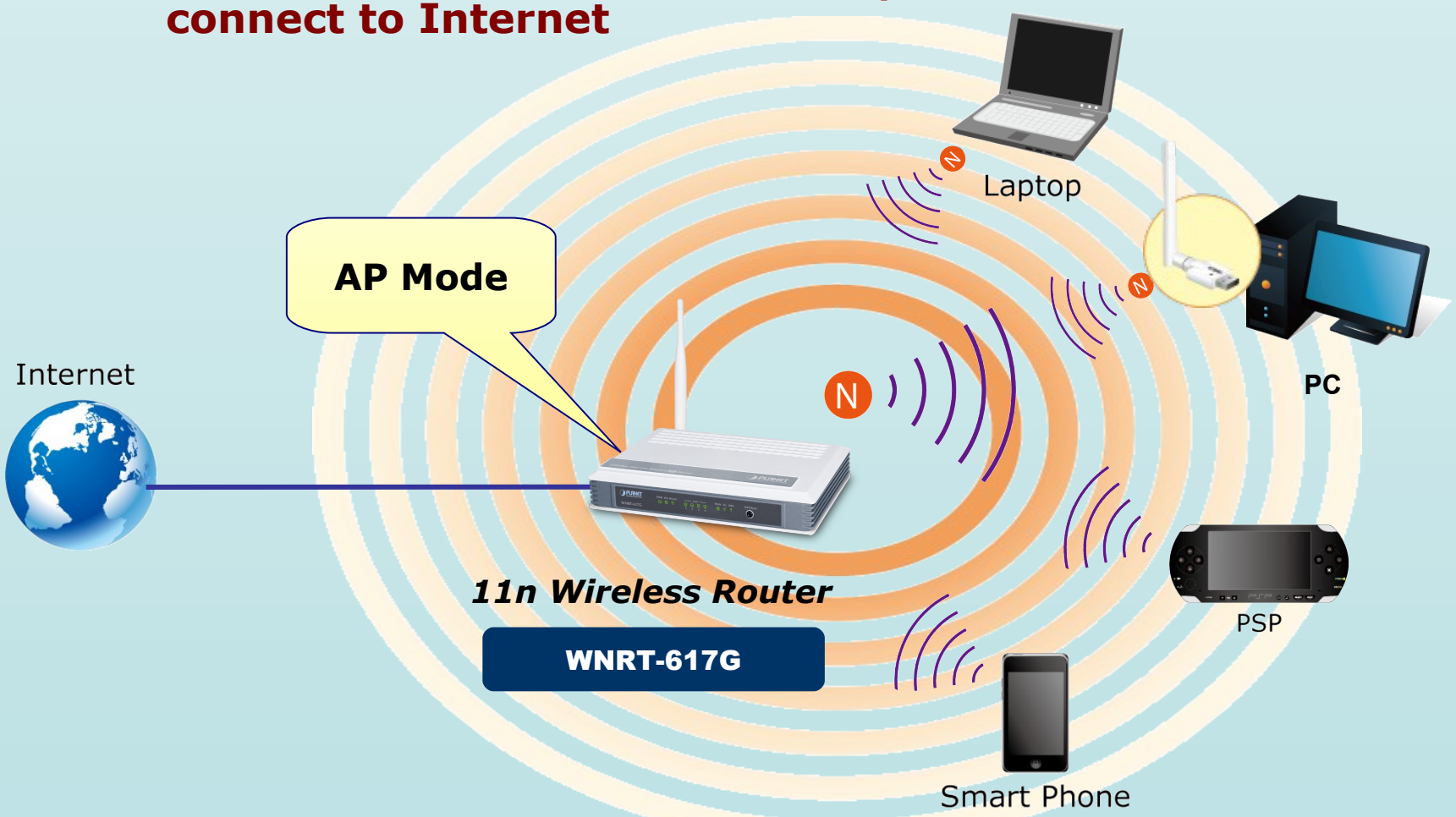




Operation Mode

Wireless Access Point

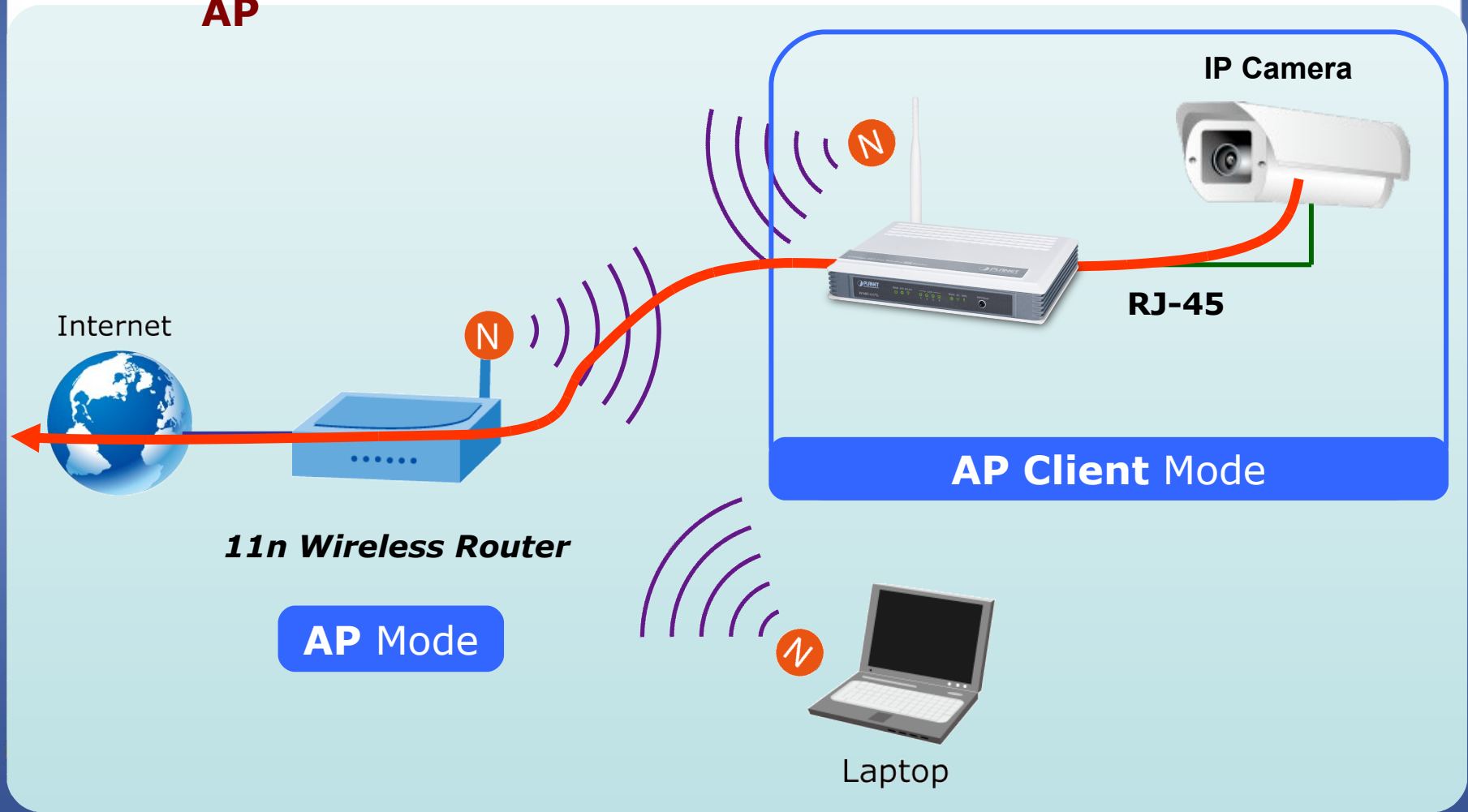
- ✓ **Acts as a central hub for wired / wireless LAN and connect to Internet**



Operation Mode

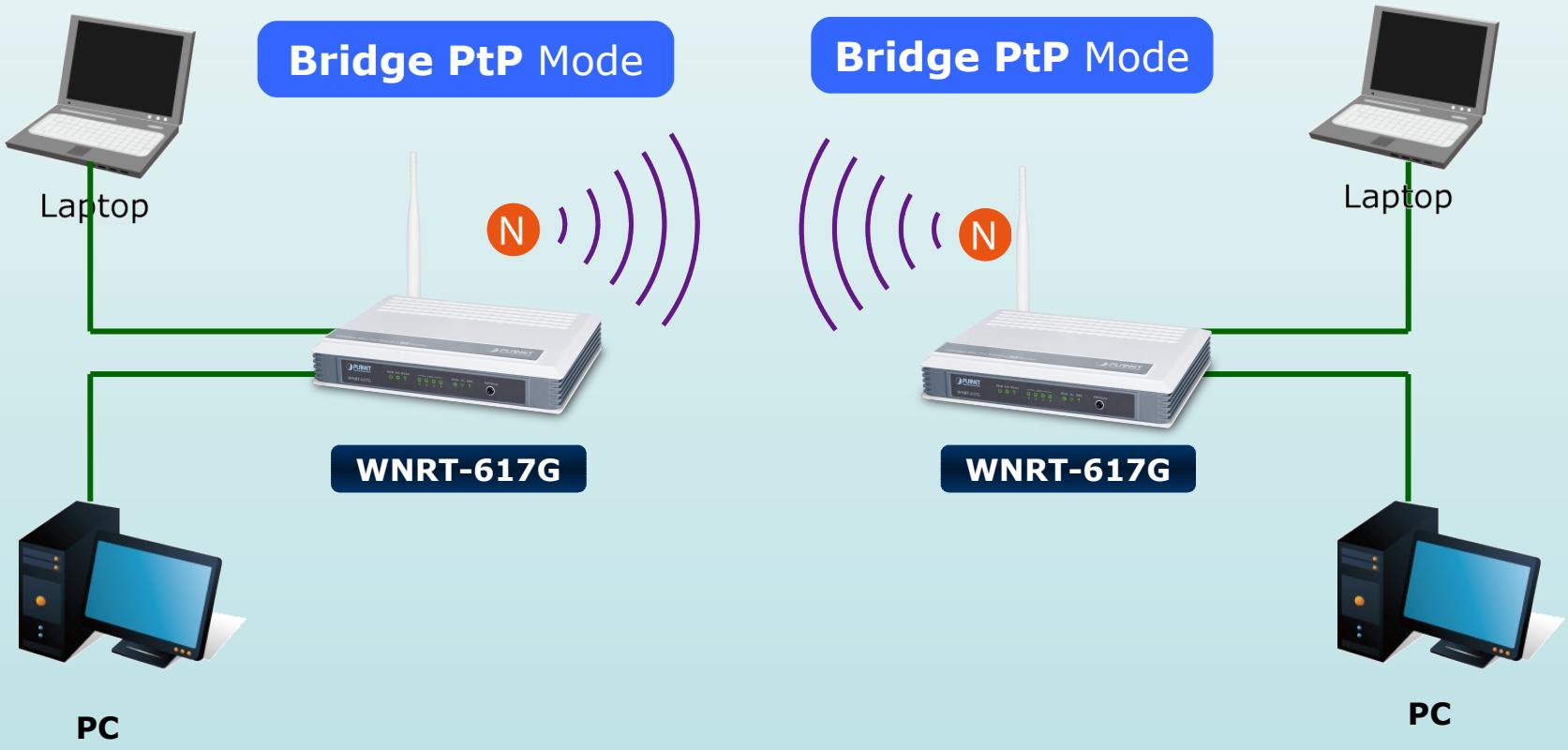
AP Client

- ✓ **Acts as a wireless client connecting with the remote AP**



Operation Mode

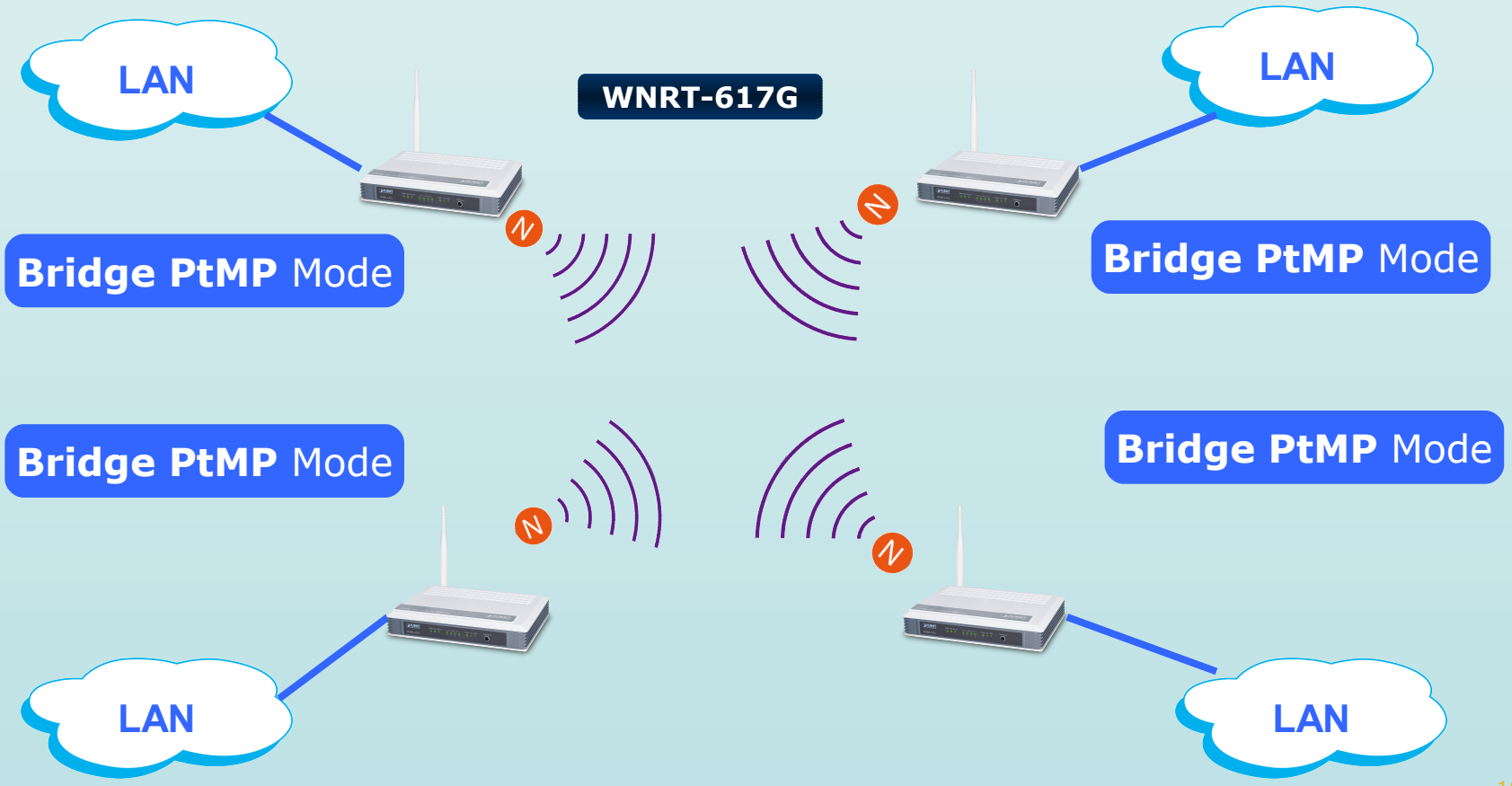
- **WDS Bridge – Point to Point Mode**
  - ✓ **Two APs in two remote locations connect to each other wirelessly**



Operation Mode

WDS Bridge – Point to Multiple Point Mode

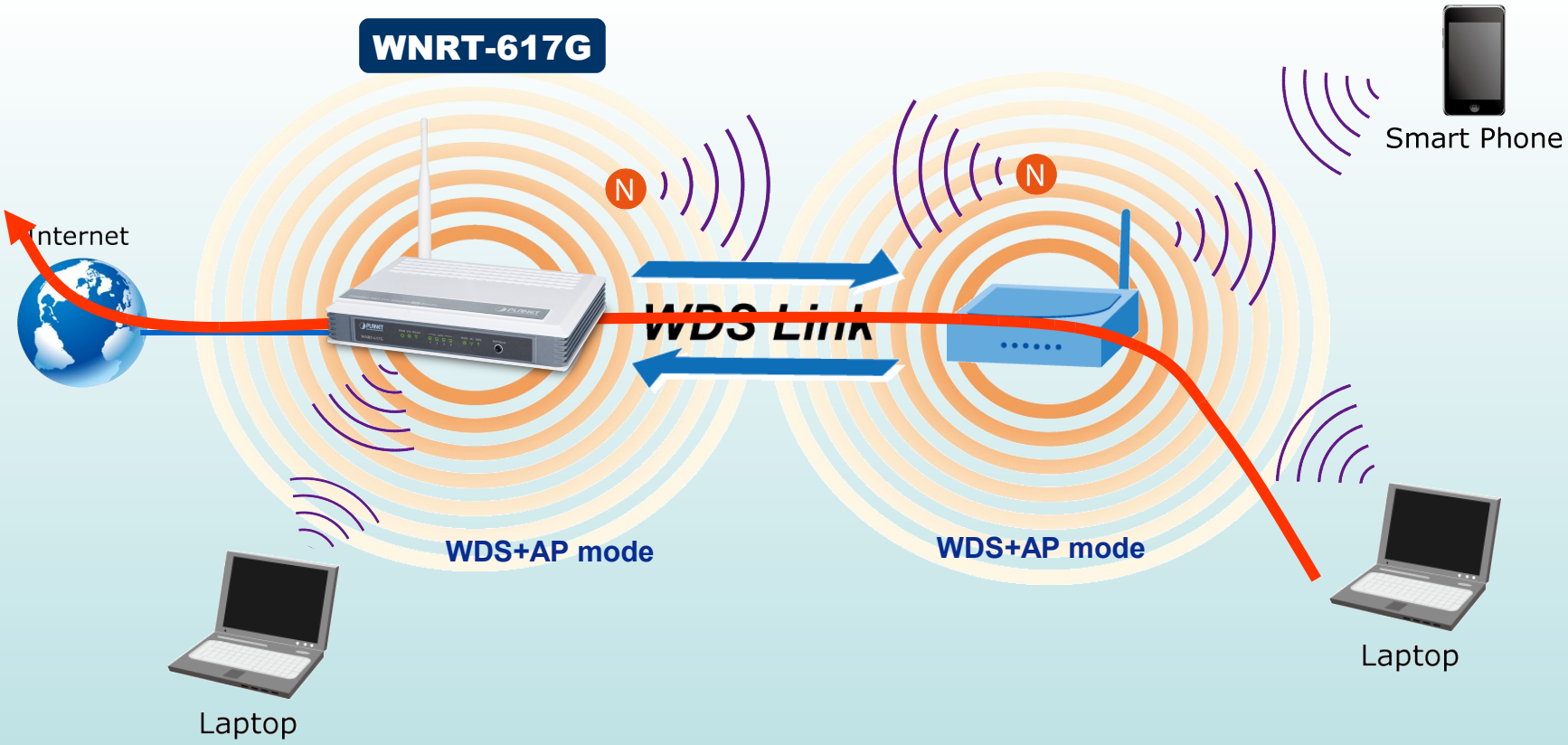
- ✓ Wirelessly connects multiple locations together allowing them to share the same network resources.



Operation Mode

WDS Repeater (WDS + AP) Mode

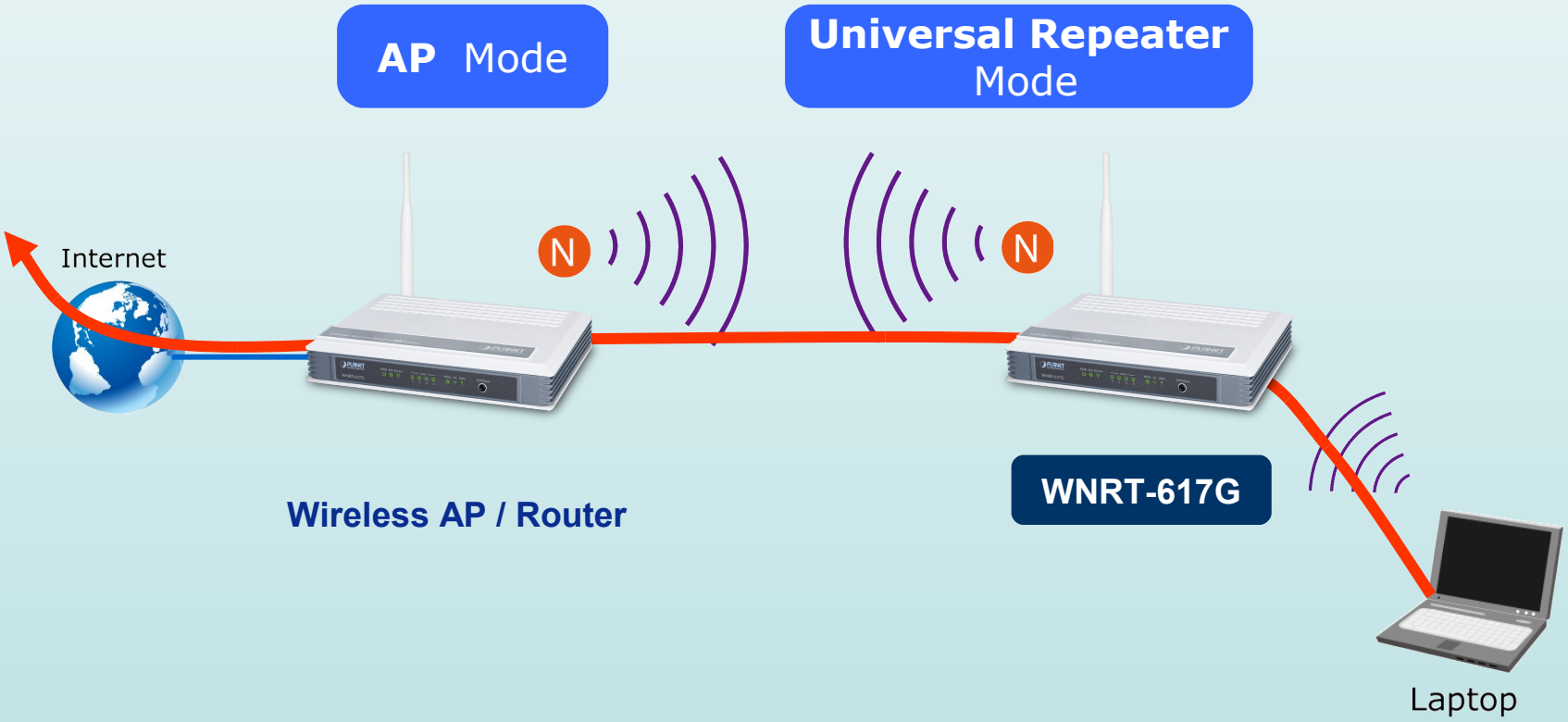
- ✓ **Bridge two APs and provides access for wireless clients at the same time**



Operation Mode

Universal Repeater Mode

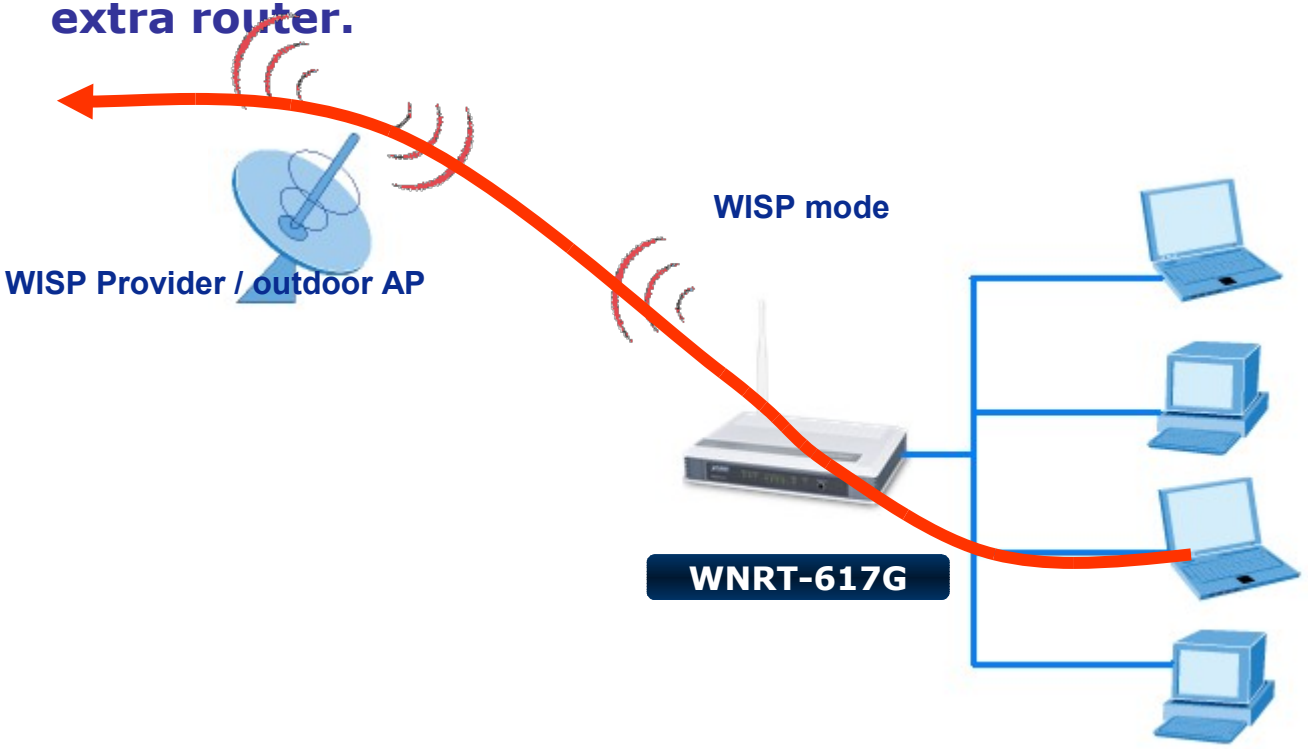
- ✓ **Extends the coverage of AP, even if your AP/Router doesn't have WDS function**



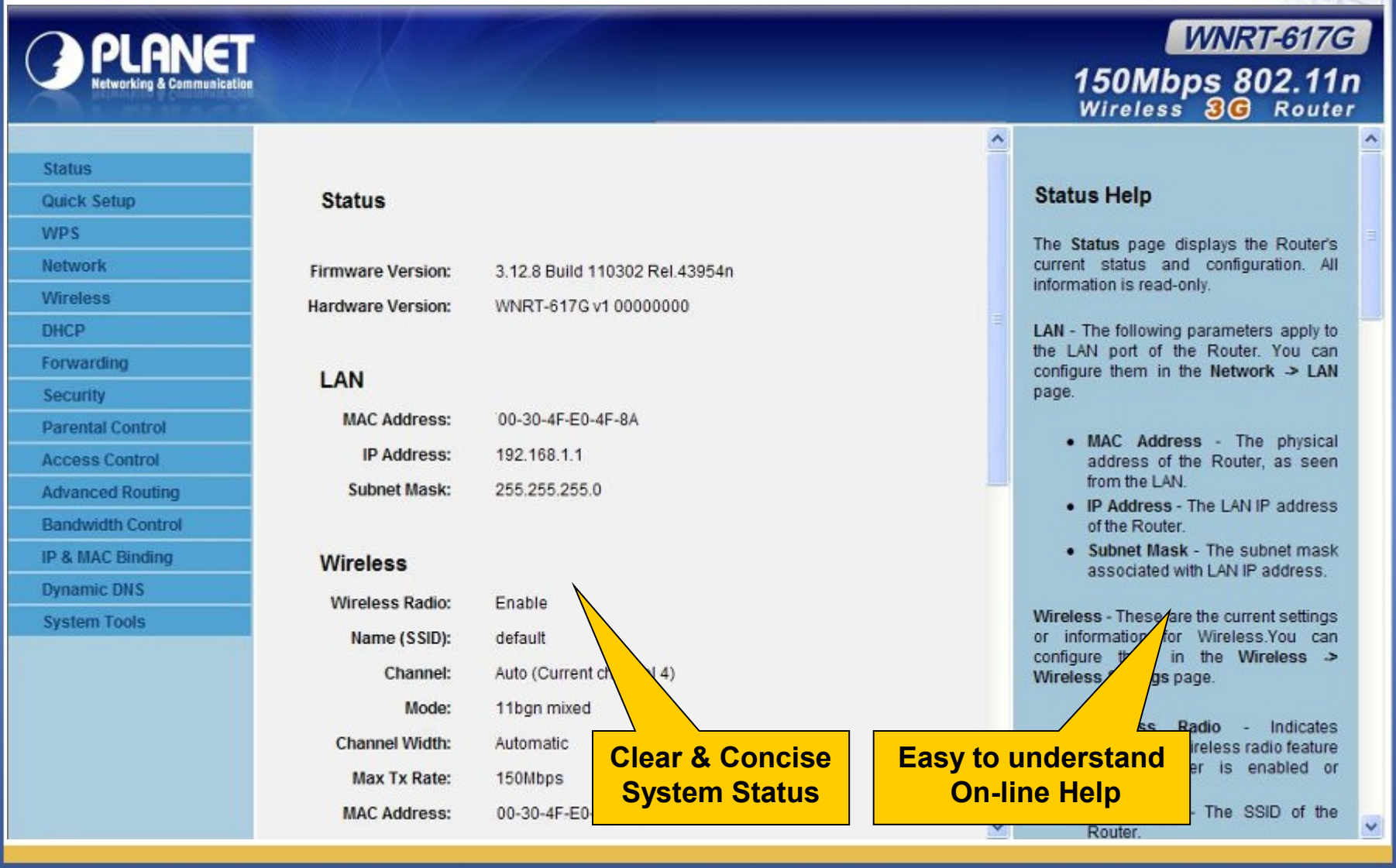
Operation Mode

WISP Mode

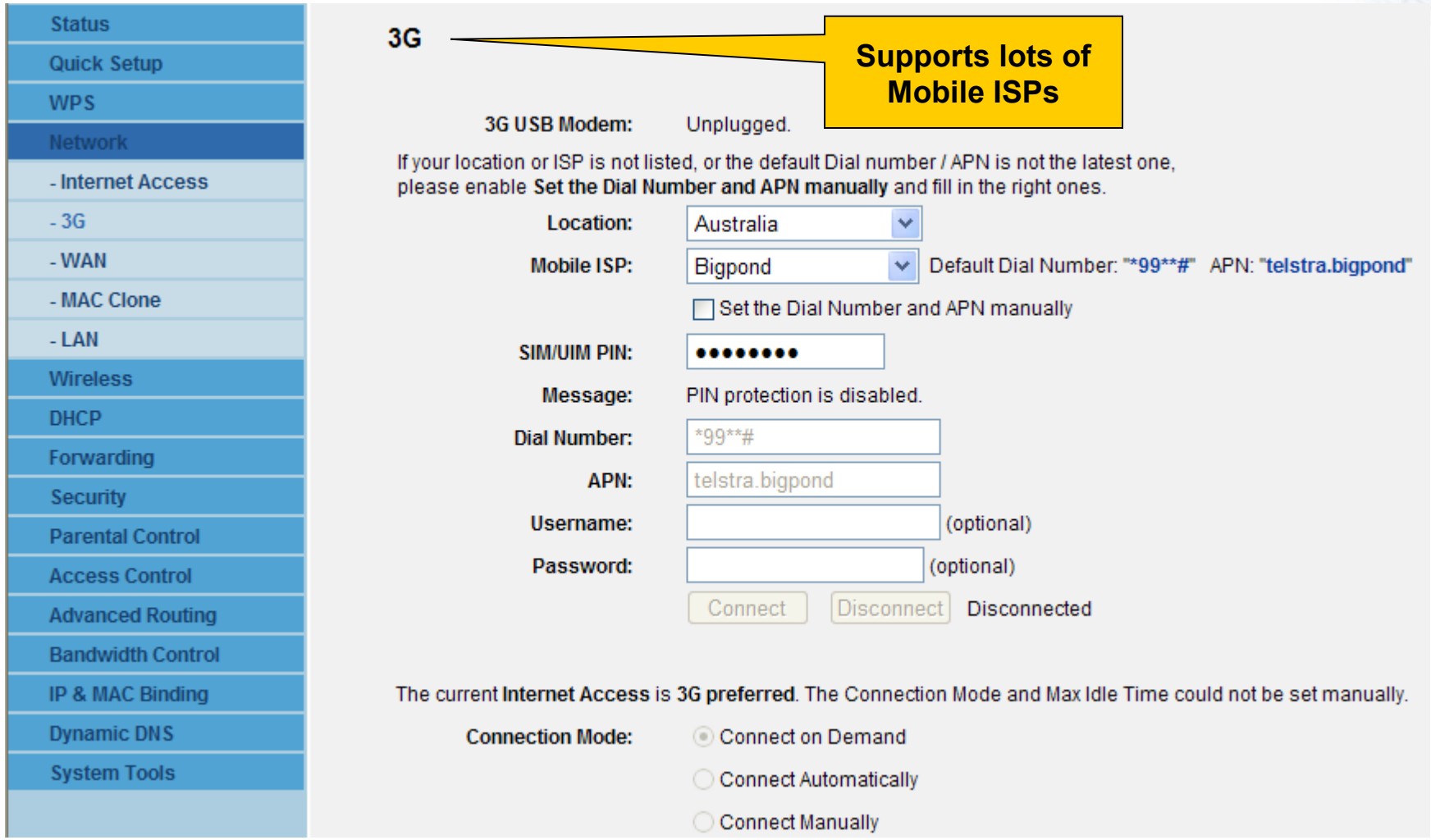
- ✓ Acts as a Wireless client to connect to an existing network via an Access Point. IP sharing function is enabled so the clients can share the WISP connection without the need for extra router.



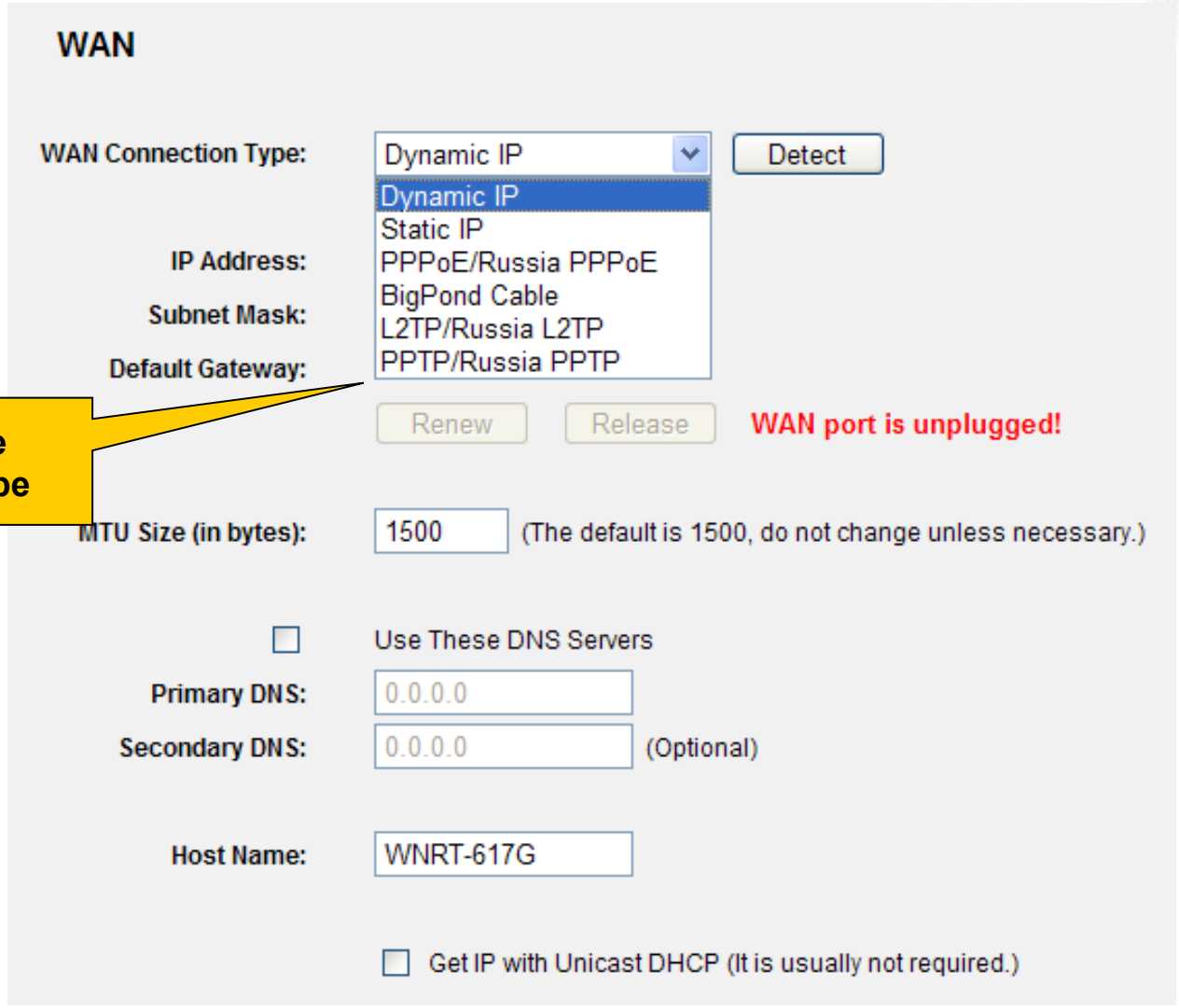
Web UI - Main


PLANET
Networking & Communication
WNRT-617G
150Mbps 802.11n
Wireless 3G Router
Status
Quick Setup
WPS
Network
Wireless
DHCP
Forwarding
Security
Parental Control
Access Control
Advanced Routing
Bandwidth Control
IP & MAC Binding
Dynamic DNS
System Tools
Status
Firmware Version: 3.12.8 Build 110302 Rel.43954n
Hardware Version: WNRT-617G v1 00000000
LAN
MAC Address: 00-30-4F-E0-4F-8A
IP Address: 192.168.1.1
Subnet Mask: 255.255.255.0
Wireless
Wireless Radio: Enable
Name (SSID): default
Channel: Auto (Current ch
Mode: 11bgn mixed
Channel Width: Automatic
Max Tx Rate: 150Mbps
MAC Address: 00-30-4F-E0
Status Help
The Status page displays the Router's current status and configuration. All information is read-only.
LAN - The following parameters apply to the LAN port of the Router. You can configure them in the Network -> LAN page.
MAC Address - The physical address of the Router, as seen from the LAN.
IP Address - The LAN IP address of the Router.
Subnet Mask - The subnet mask associated with LAN IP address.
Wireless - These are the current settings or information for Wireless.You can configure in the Wireless -> Wireless page.
Radio - Indicates wireless radio feature is enabled or
The SSID of the Router.
Clear & Concise System Status
Easy to understand On-line Help

Web UI – 3G Configuration

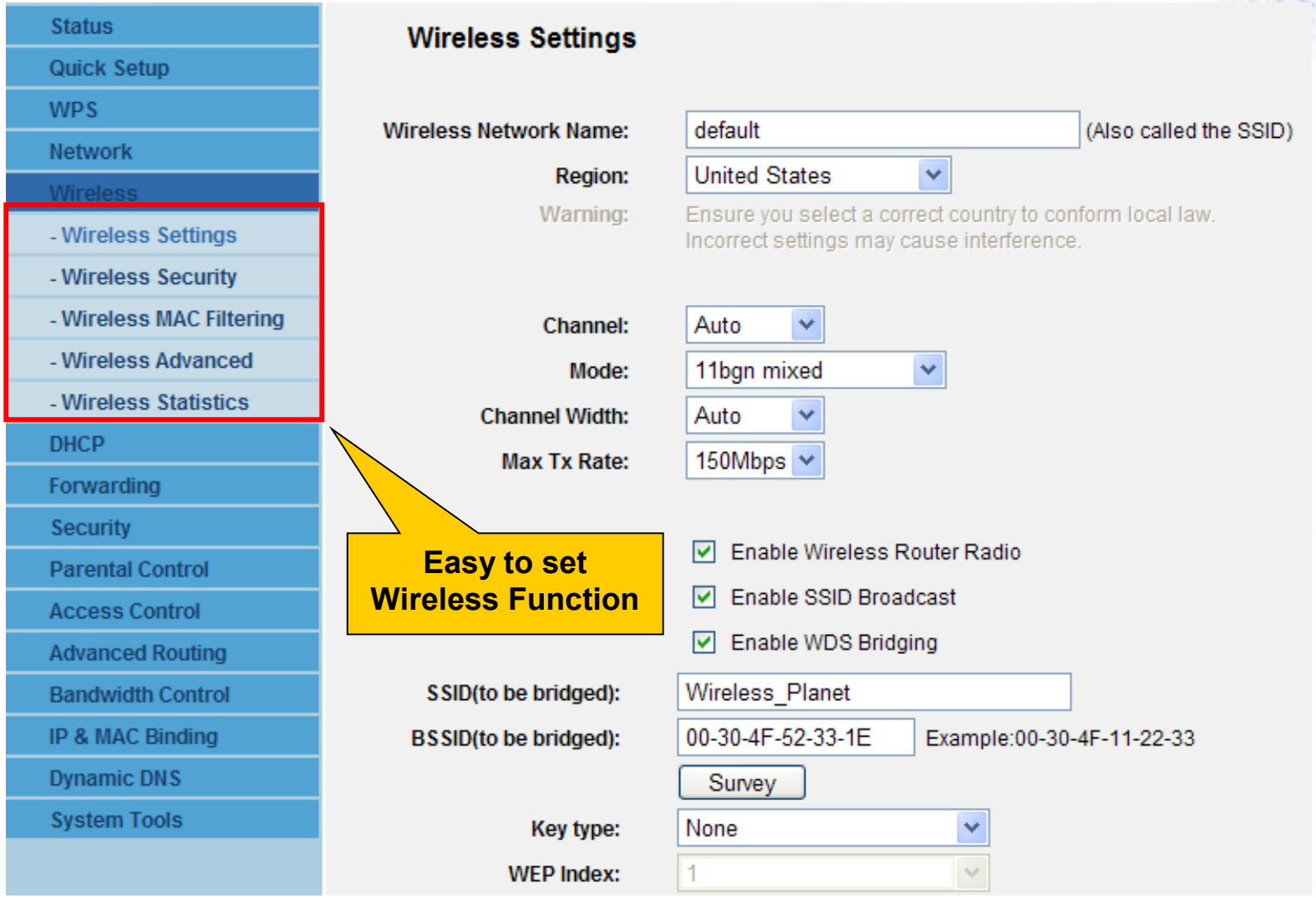


Web UI - WAN



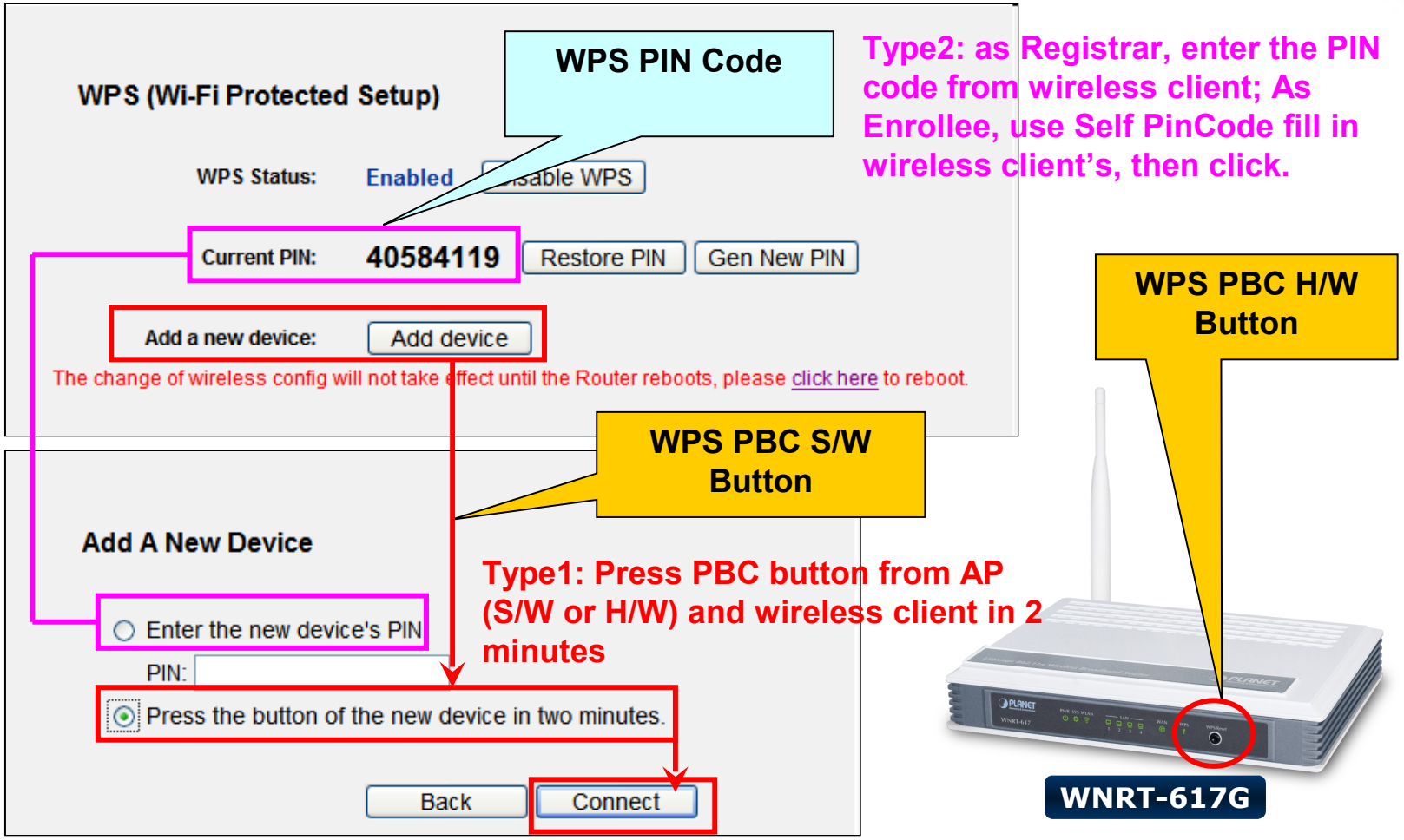
Full Range of WAN Type

Web UI - Wireless



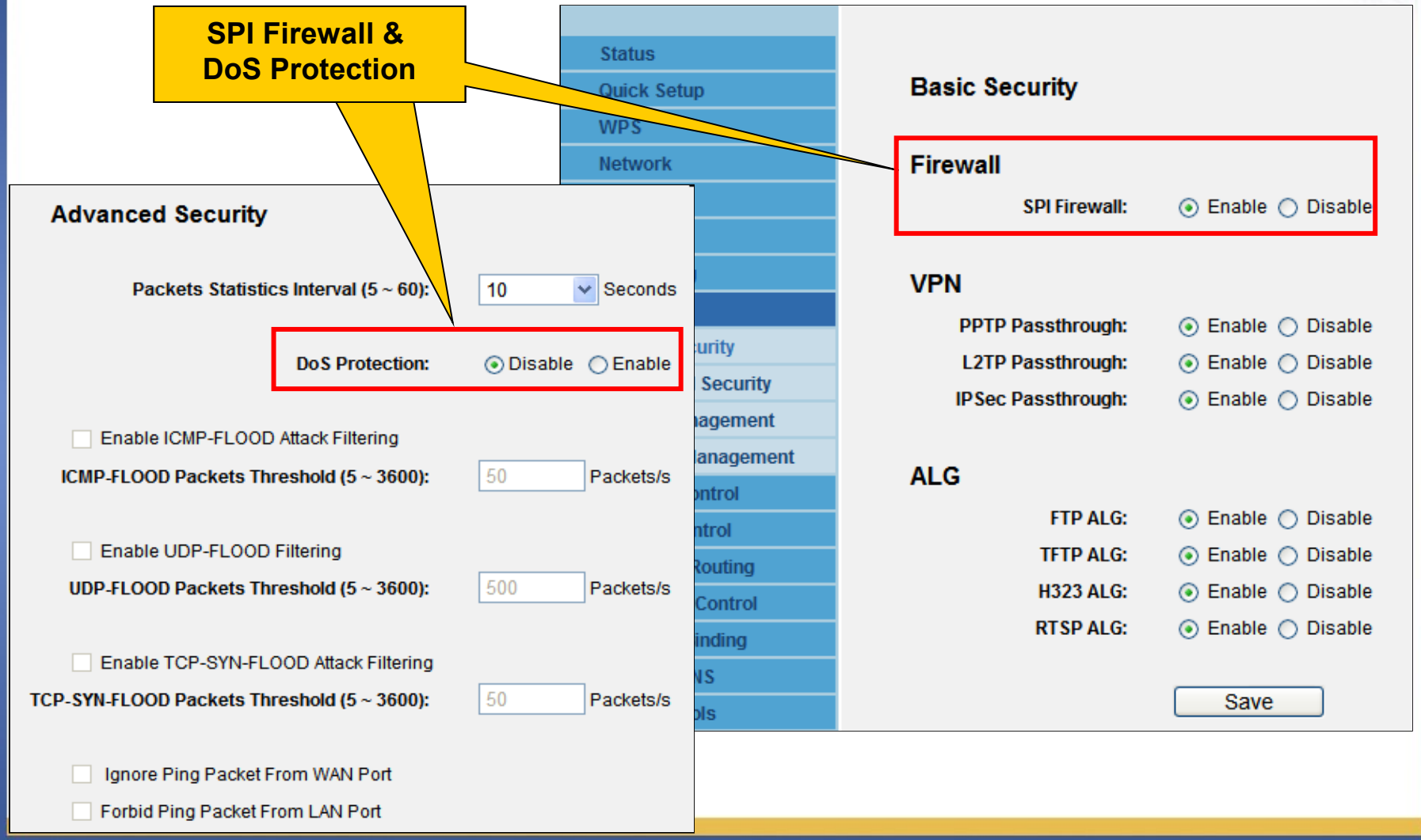
Web UI – WPS

- **2 types of WPS: PBC(S/W & H/W Button) and PIN Code.**

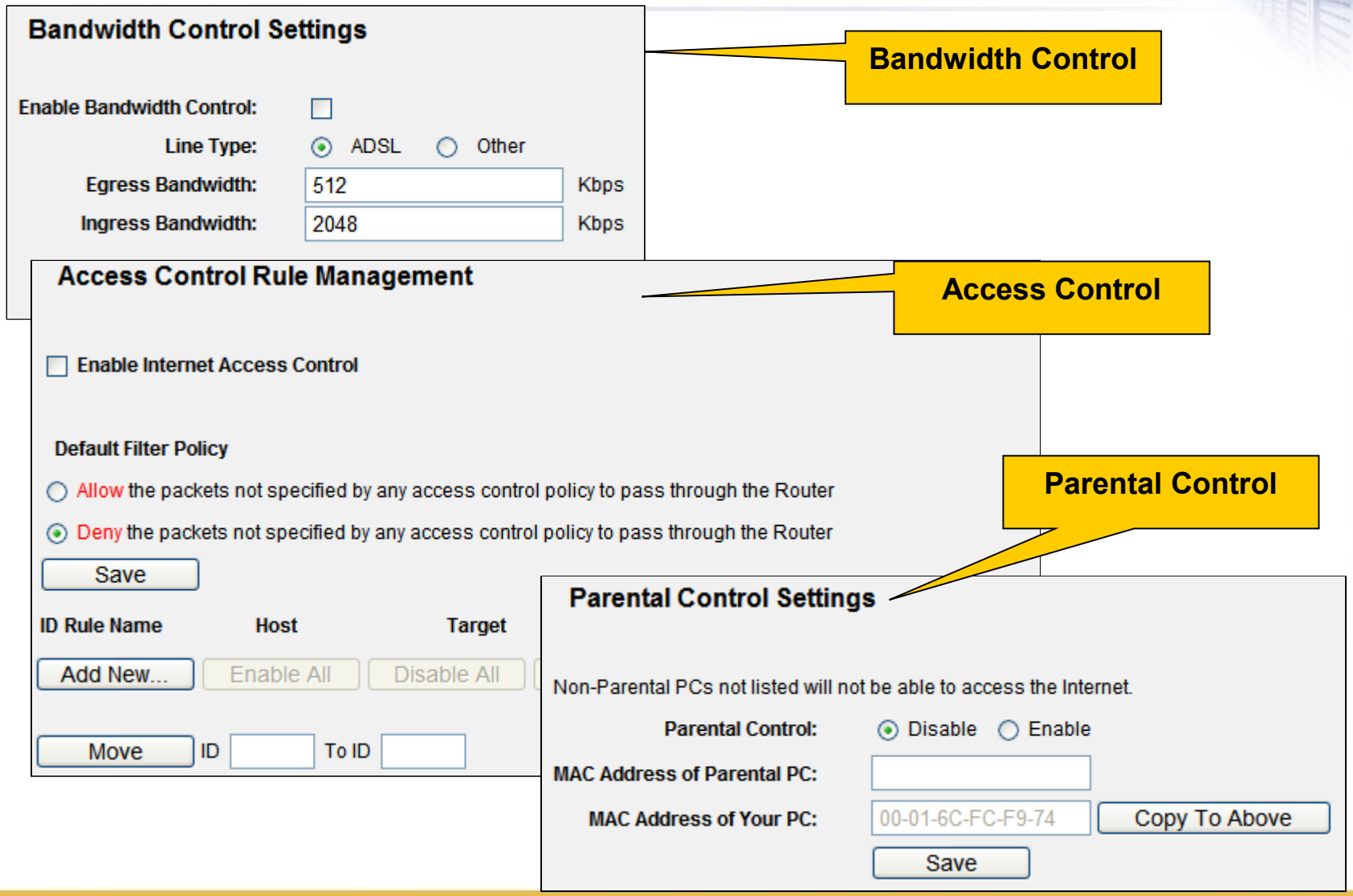


Web UI – Security

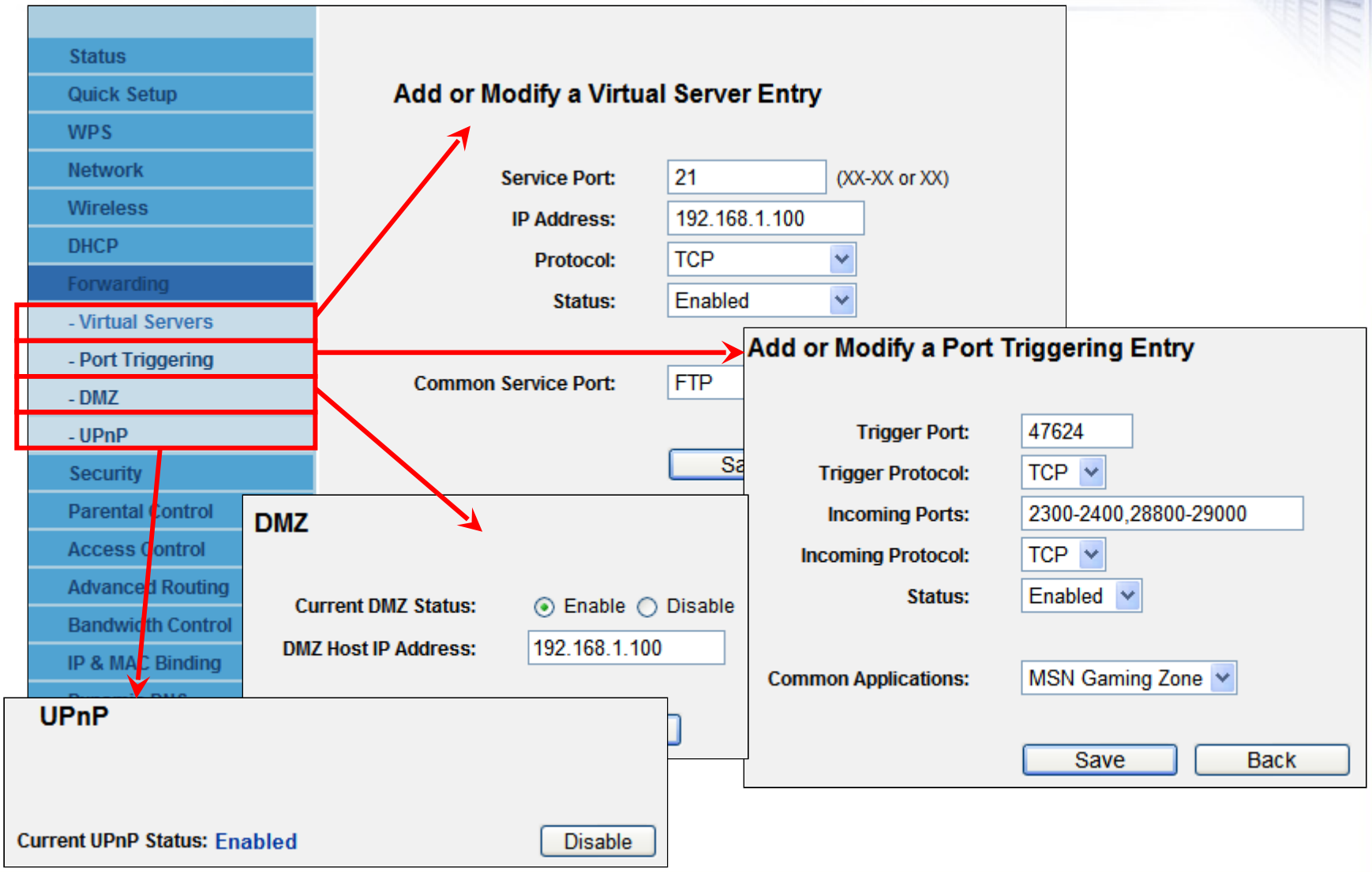
SPI Firewall & DoS Protection



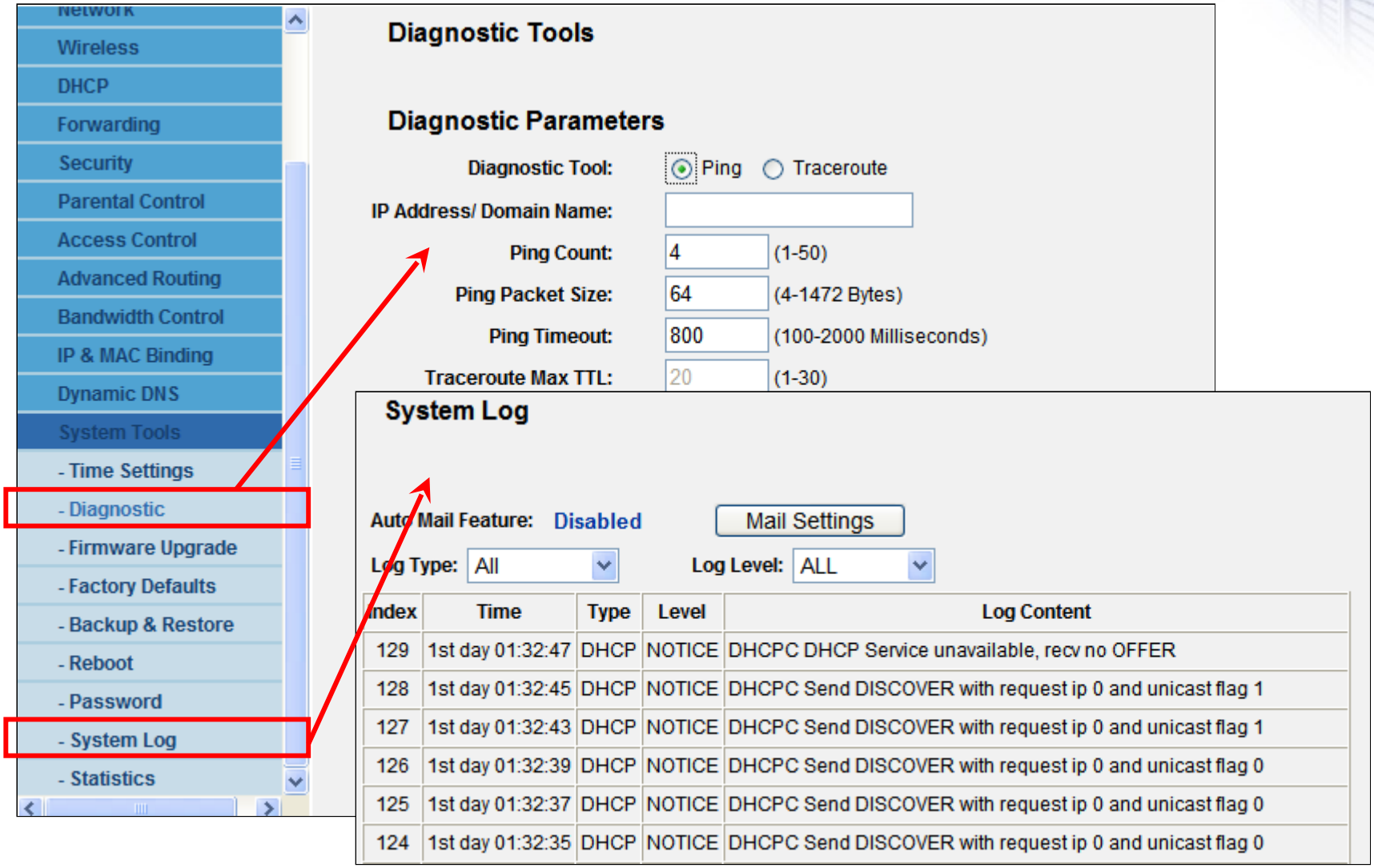
Web UI – Different Control



Web UI – Port Forwarding



Web UI – System Tools



Comparison - Internal

Model / Features	WNRT-617G	WNRT-625G	WNRT-626G
Antenna	5dBi Detachable	3dBi fixed	3dBi fixed
Chipset	Atheros AR9285	Ralink RT3052	Ralink RT3050
Interface	10/100TX(1WAN,4LAN) USB 2.0 port for 3G Modem	10/100TX(1WAN,4LAN) USB 2.0 port for 3G Modem	10/100TX(1WAN,4LAN) USB 2.0 port for 3G Modem
WAN	3G Dynamic IP Static IP Telstra Big Pond PPPoE / Russia PPPoE PPTP / Russia PPTP L2TP / Russia L2TP	3G Dynamic IP Static IP Telstra Big Pond PPPoE PPTP L2TP	3G Dynamic IP Static IP Telstra Big Pond PPPoE PPTP L2TP
Maximum NAT Session	5210	3000	3000
Security	64/128/152-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, 802.1x	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, 802.1x	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, 802.1x
Wireless Mode	AP & AP-Client WDS, WDS+AP Universal Repeater WISP	AP & AP-Client WDS, WDS+AP WISP	AP & AP-Client WDS, WDS+AP WISP

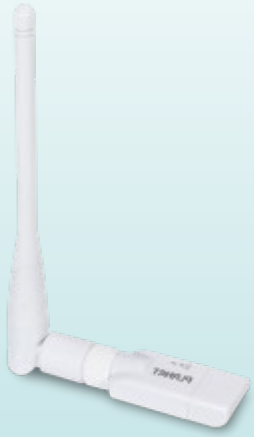
Comparison - External

Model / Features	PLANET WNRT-617G	D-Llink DIR-451	ZyXEL NBG4115
Antenna	5 dBi Detachable	2 dBi	2 dBi Detachable
Wireless Standard	802.11b/g/n	802.11b/g	802.11b/g/n
Interface	10/100Mbps (1 WAN/4 LAN) USB 2.0 for 3G Modem	10/100Mbps (4 LAN) PCMCIA Card for 3G Modem	10/100Mbps (1 WAN/2 LAN) USB 2.0 for 3G Modem
WAN	3G Dynamic IP Static IP Telstra Big Pond PPPoE / Russia PPPoE PPTP / Russia PPTP L2TP / Russia L2TP	3G only	3G Dynamic IP / Static IP PPPoE PPTP
Security	64/128/152-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, 802.1x	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK	64/128-bit WEP, WPA /WPA2, WPA-PSK/WPA2-PSK
Wireless Mode	AP & AP-Client WDS, WDS+AP Universal Repeater, WISP	AP, Ad-hoc	AP
Virtual Server	Yes	Yes	No
DMZ	Yes	Yes	No

Appendix

- **Related Products**
  - ✓ **WNL-U554** 150Mbps 11n Wireless USB Adapter
  - ✓ **WNL-U554A** 150Mbps 11n Wireless USB Adapter with 3dBi Antenna
  - ✓ **WNL-U554M** 150Mbps Micro 11n Wireless USB Adapter
  - ✓ **WNL-9501** 802.11n Wireless PCI Express Adapter

WNL-U554



WNL-U554A

WNL-U554M

WNL-9501

PLANET
Networking & Communication

Pioneer of IP Innovation

Activating IP Power

www.planet.com.tw

Copyright © PLANET Technology Corporation. All rights reserved.