150Mbps 802.11n Wireless 3G Router

3G Broadband Sharing

PLANET Wireless 3G Router, WNRT-617G, provides home and SOHO users a reliable and cost effective wireless solution by featuring 3G / WAN backup Internet access and high speed IEEE 802.11n wireless transmission. The WNRT-617G is equipped with one USB port for connection to mobile network of UMTS / HSPA / EVDO via 3G/3.5G USB modem and one WAN port for wired cable and DSL service connection. The 3G/3.5G USB capability of the WNRT-617G features activating internet connection anytime and the redundant WAN interface to ensure the most reliable connection. The WNRT-617G provides more flexible and easier way for users to create an instant wireless network sharing service via 3G modem wherever at Home, Hotspot or in public places like transportation, outdoor event and etc.

High Speed 802.11n Wireless

The WNRT-617G features latest IEEE 802.11n radio with 1T1R antenna technology to provide improved wireless speed and coverage with up to 150Mbps upload and download data rate. The incredible wireless speed makes it ideal for handling multiple video stream, on-line music, VoIP and data streams at the same time stably and smoothly. It is also backward compliant with 802.11g and 802.11b standards; thus it is no need to change the existing network for maintaining connectivity. Just connect to the WNRT-617G, you can immediately enjoy the high-speed wireless sharing.

Wireless Coverage Plus !

With one 5dBi high-gain antenna attached, the WNRT-617G provides stronger signal quality and more excellent performance than normal wireless routers especially when in the long range or poor environment condition for further wireless coverage range. With the detachable RP-SMA connector design, the WNRT-617G allows users to manually exchange higher gain antenna for greater wireless distances and coverage range across home and building. Besides essential wireless sharing for Wi-Fi clients, the WNRT-617G provides WDS (Wireless Distribution System) bridge mode to facilitate wireless network deployments and range expanding. It provides more flexibility for users while establishing wireless network.
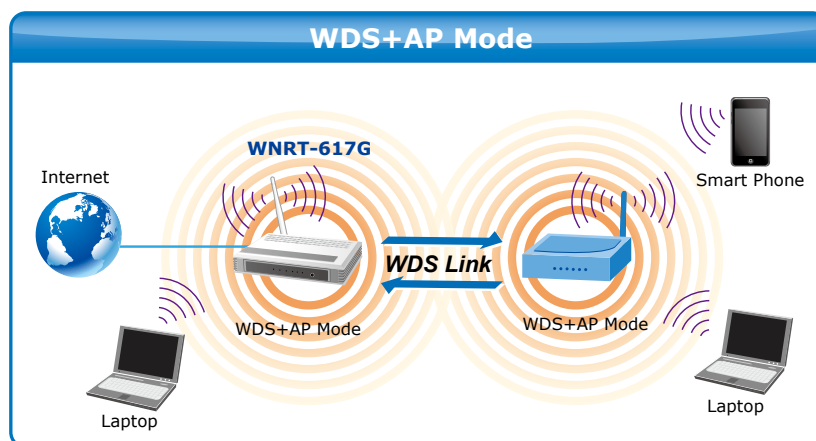

Wide Range of Wireless Security Support

To secure the wireless communication, the WNRT-617G supports not only 64/128/152-Bit WEP, but also up-to-date encryptions including WPA-PSK/WPA2-PSK with TKIP/AES, wireless MAC filtering and SSID broadcast control to consolidate the wireless network security and prevent unauthorized wireless connection.

Easy Secure Wireless Connection

In order to simplify security settings for home and SOHO network, the WNRT-617G supports Wi-Fi Protected Setup (WPS) with configuration in PBC and PIN type. By just push the WPS button or key in the PIN code, the secure connection between the WNRT-617G and wireless clients will be built immediately, which offers a convenient and fast method for users.

Data Sheet

WPS (Wi-Fi Protected Setup)
Quick & Easy Wireless connection

STEP.1 WPS CLICK

STEP.2 PUSH

STEP.3 Connection
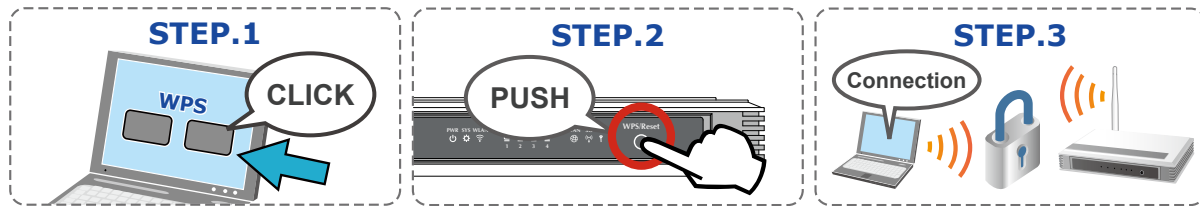
Advanced Firewall Security

To protect user's network from external attacks, the WNRT-617G provides dual firewall mechanisms – NAT and SPI. The NAT function allows multiple users to access to Internet via a single legal IP, and the SPI (Stateful Packet Inspection) firewall protects intranet PCs from unauthorized access and prevents possible DoS attacks from the Internet. In the aspect of firewall, the WNRT-617G supplies flexible IP-Based Access Control, schedulable MAC access control and URL block to prevent possible hackers attack.

Full Functioned Router

As a robust broadband router, the WNRT-617G supports various Internet connection protocols and auto detect function to establish Internet service when the ISPs use different connection type. It also provides Virtual Server and DMZ functions for LAN PC to act as an application server and offer certain service to the clients in the LAN. The WNRT-617G allows users to setup trigger ports of special applications and utilize Internet services smoothly. Moreover, IP-Based ingress and egress bandwidth control optimizes time-critical applications such as VoIP or video conference not to be interrupted or lagged due to P2P file download by other clients in the same network environment.

KEY FEATURES

IEEE COMPLIANT WIRELESS & WIRED LAN

- Compliant with IEEE 802.11n wireless technology capable of up to 150Mbps data rate

- Backward compatible with 802.11b/g standard

- Equipped with four LAN ports (10/100Mbps) and one WAN port (10/100Mbps), Auto MDI/MDI-X supported

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

- Internet types: Dynamic IP/ Static IP / PPPoE / Telstra Big Pond / L2TP / PPTP

- Supports Static Routing, WDS, UPnP, Dynamic DNS

SECURE NETWORK CONNECTION

- 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

- IP / Protocol-Based access control and MAC Filtering

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
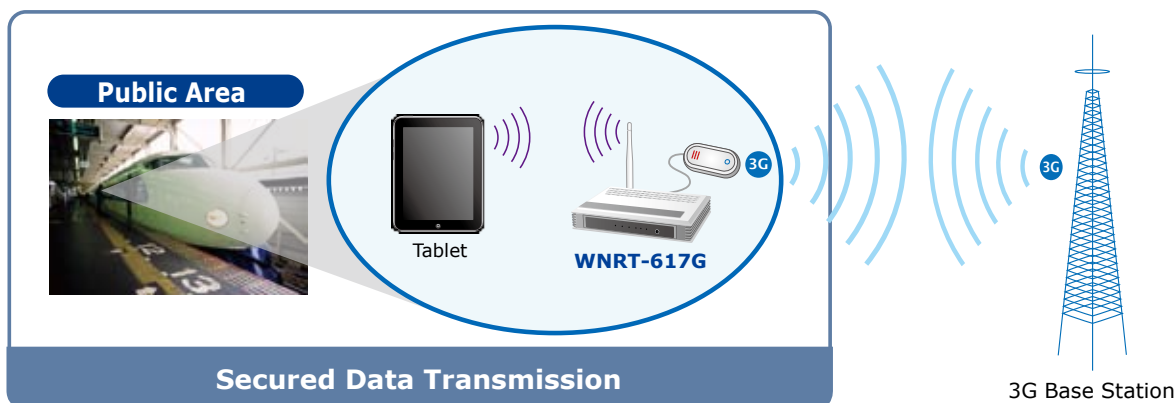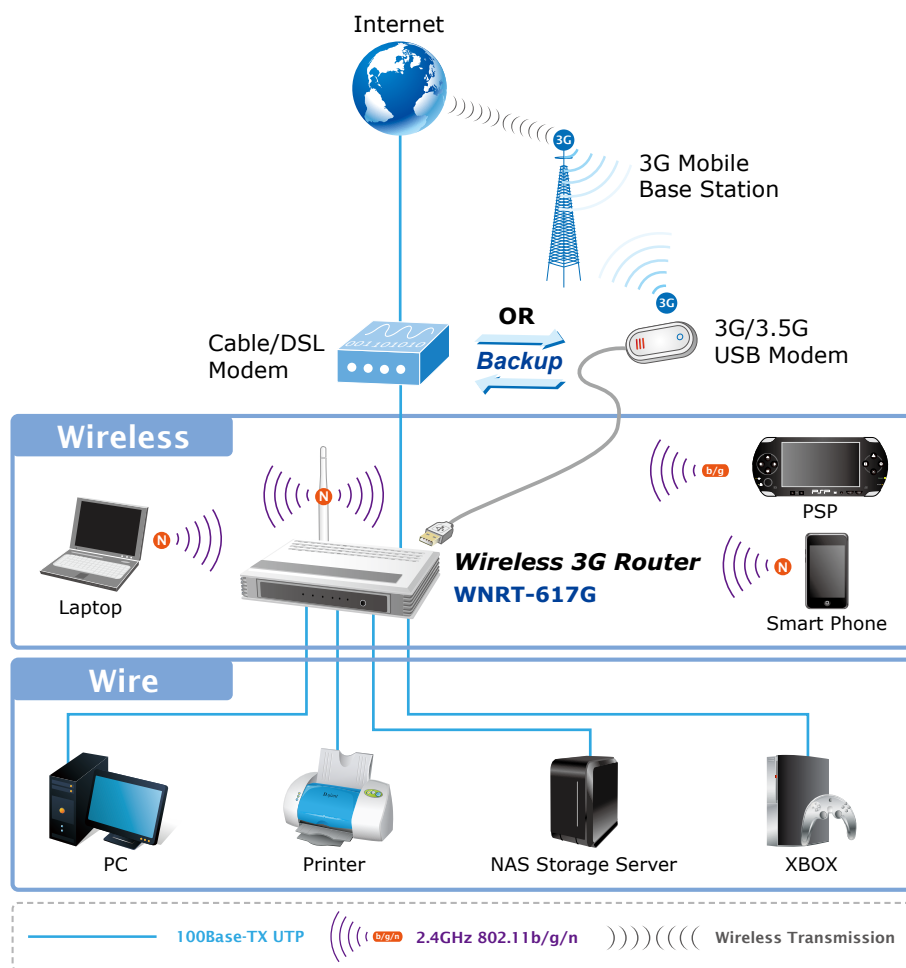
- Supports DHCP Server

EASY INSTALLATION & MANAGEMENT

- Web-Based UI for quick setup and easy configuration

- Remote Management allows configuration from a remote site

- System status monitoring includes DHCP Client and System Log

APPLICATIONS

Share Mobile Wireless Network Anytime and Anywhere

Via connecting USB 3G Modem to WNRT-617G, you can enjoy surfing the Internet instantly. The built-in one WAN port in the WNRT-617G is not only for wired cable or DSL connection service but also can be used as an alternative to share network with your neighbors. The WNRT-617G applied with 802.11n technology provides a better wireless signal, higher data transmission rate and performance than 802.11g. Furthermore, featuring the latest security and firewall functions, the WNRT-617G helps to prevent unauthorized access or invasion. Just click the Wizard and set up step by step, you can then relax to get in the wireless network and enjoy high speed Internet transmission anywhere, anytime.

SPECIFICATION

Product	150Mbps 802.11n Wireless 3G Router	
Model	WNRT-617G	
Hardware Specification		
Interface	WAN Port:	1 x 10/100Mbps Auto MDI/MDI-X RJ45 port
	LAN Port:	4 x 10/100Mbps Auto MDI/MDI-X RJ45 ports
	USB port	1 x USB 2.0 port
Antenna	Gain	1 x Detachable RP-SMA Connector 1 x 5dBi SMA antenna included in the package
	Orientation	Omni-directional
Power Button	Power On/Off button at rear panel	
WPS / Reset Button	WPS / Reset button at front panel Push the button at least 5 seconds to reset to factory default setting	
LED Indicators	PWR, SYS, WLAN, LAN x 4, WAN, 3G, WPS with green light	
Material	Plastic	
Dimension (W x D x H)	174 x 110 x 23 mm	
Weight	200g	
Power Requirement	12V DC, 1A	
Wireless interface Specification		
Standard	Compliance with IEEE 802.11b/g/n	
Frequency Band	2.4~2.4835GHz	
Extend Frequency	DSSS	
Modulation Type	DBPSK, DQPSK, QPSK, CCK and OFDM (BPSK/QPSK/16-QAM/ 64-QAM)	
Data Transmission Rates	802.11n: 135/121.5/108/81/54/40.5/27/13.5Mbps 130/117/104/78/52/39/26/13Mbps 65/58.5/52/39/26/19.5/13/6.5Mbps (Dynamic) 802.11g: 54/48/36/24/18/12/9/6Mbps (Dynamic) 802.11b: 11/5.5/2/1Mbps (Dynamic)	
Transmission Distance	Indoor up to 100m Outdoor up to 300m (It is limited to the environment)	
Channel	America/ FCC: 2.414~2.462GHz (11 Channels) Europe/ ETSI: 2.412~2.472GHz (13 Channels) Japan/ TELEC: 2.412~2.484GHz (14 Channels)	
RF Power	≤20 dBm (EIRP)	
Receive Sensitivity	130M: -68dBm@10% PER 108M: -68dBm@10% PER 54M: -68dBm@10% PER 11M: -85dBm@8% PER 6M: -88dBm@10% PER 1M: -90dBm@8% PER	
Wireless Management Features		
Wireless Operation Mode	AP, WDS (AP+Bridge), WISP Client Router	
Encryption Security	WEP (64/128/152-bit) encryption security WPA-PSK / WPA2-PSK (TKIP/AES) WPA / WPA2 (TKIP/AES) WPA / WPA2 enterprise mode (802.1x authentication)	
Wireless Security	Provides wireless LAN ACL (Access Control List) filtering Wireless MAC address filtering Supports WPS (WI-FI Protected Setup) Enable / Disable SSID Broadcast	
Wireless Advanced Features	Supports 802.11e WMM (Wi-Fi Multimedia) Supports Wireless Roaming Provides Wireless Statistics	
Router Features		
Internet Connection Type	Shares data and Internet access for users by supporting the following protocols: ■ PPPoE / Russia PPPoE ■ Dynamic IP ■ Static IP ■ Telstra Big Pond ■ PPTP / Russia PPTP ■ L2TP / Russia L2TP	

Firewall	NAT firewall with SPI (Stateful Packet Inspection)
	NAT with ALG (Application Layer Gateway)
	Built-in NAT server supporting Virtual Server, and DMZ
	Built-in firewall with IP address filtering, Domain Name filtering, and MAC address filtering
	Supports ICMP-FLOOD, UDP-FLOOD, TCP-SYN-FLOOD filter, DoS protection
Routing Protocol	Static Routing
VPN Pass-through	PPTP, L2TP, IPSec
LAN	Built-in DHCP server supporting static IP address distributing
	Supports UPnP, Dynamic DNS
	Supports Flow Statistics
	IP & MAC Binding
	IP / Protocol-Based Bandwidth Control
	Session Number: Max. 5210
System Management	Web-Based (HTTP) management interface
	Remote management
	SNTP time synchronize
	Easy firmware upgrade
	System Log supports auto mail and save to local host
OS Compatibility	Windows 7 (32-bit/64-bit)
	Windows Vista (32-bit/64-bit)
	Windows XP
	Mac OSX 10.4 and higher

Standards Conformance

IEEE Standards	IEEE 802.11n (1T1R, up to 150Mbps)
	IEEE 802.11g
	IEEE 802.11b
	IEEE 802.11i
	IEEE 802.3 10Base-T
	IEEE 802.3u 100Base-TX
	IEEE 802.3x Flow Control
Others Protocols and Standards	CSMA/CA, CSMA/CD, TCP/IP, DHCP, ICMP, NAT, PPPoE, SNTP

Environment

Temperature	Operating: 0 ~ 40 degree C
	Storage: -40 ~ 70 degree C
Humidity	Operating: 10 ~ 90% (Non-Condensing)
	Storage: 5 ~ 90% (Non-Condensing)

ORDERING INFORMATION

WNRT-617G	150Mbps 802.11n Wireless 3G Router

AVAILABLE MODULES

WNL-U554	802.11n Wireless USB 2.0 Adapter
WNL-U554A	802.11n Wireless USB 2.0 Adapter
WNL-U554M	802.11n Micro Wireless USB 2.0 Adapter
WNL-9501	802.11n Wireless PCI Express Adapter
ANT-OM5	5dBi Desktop Antenna

* For best performance and wireless connection, sincerely advice to match the above related products.