150Mbps 802.11n Wireless 3G/4G Router

3G/4G Broadband Sharing

To provide super-fast and cost-effective wireless solution for home and SOHO users, PLANET upgrades the current wireless 3G router "WNRT-617G" to 4G LTE. With the 4G LTE, users can immediately experience 25X Internet download speed than that of the earlier 3G mobile network. You just need to attach the 4G LTE USB modem card to the USB port of the WNRT-617G and enjoy real-time HD video streaming, on-line gaming and other Internet activities. The 4G LTE mobile connection is also backward compatible with 3G UMTS / HSPA / EVDO mobile network.

Network Failover Makes You Stay Online

The WNRT-617G has 3G/4G and WAN connection failover characteristics, which can automatically hand over to the redundant stable WAN connection to keep users always online without missing any fascinating moments. The WNRT-617G provides a more flexible and easier way for users to create an instant wireless network sharing service via 3G/4G modem whenever at Home, Hotspot or in public places like transportation, outdoor event, etc.

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 upgrade 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 expansion. It provides more flexibility for users while establishing wireless network.

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 / 4G Mobile Internet Connection

- Dual Network Interfaces: WAN port for cable / wired DSL service and 3G / 4G mobile connection
- Compatible with 4G LTE/HSPA+/HSUPA/HSDPA/UMTS/ EVDO Mobile Network

Fixed-Network Broadband Router

- Internet types: Dynamic IP / Static IP / PPPoE / Telstra Big Pond / L2TP / PPTP
- Supports Static Routing, WDS, UPnP and 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 and 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

Wide-ranging 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.

Easily-secure Wireless Connection

In order to simplify security settings for home and SOHO network, the WNRT-617G supports Wi-Fi Protected Setup (WPS), which has two connections: PBC and PIN. By just pressing the WPS button or keying in the PIN code, the secure connection between the WNRT-617G and wireless clients will be built immediately, offering a convenient and fast method for users.
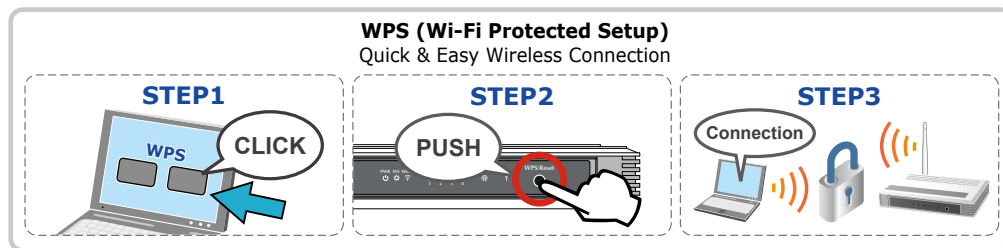
Advanced Firewall Security

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 have 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. As to firewall, the WNRT-617G provides flexible IP-based access control, schedulable MAC access control and URL block to prevent possible hacker 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 types. 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 set up 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 downloaded by other clients in the same network environment.
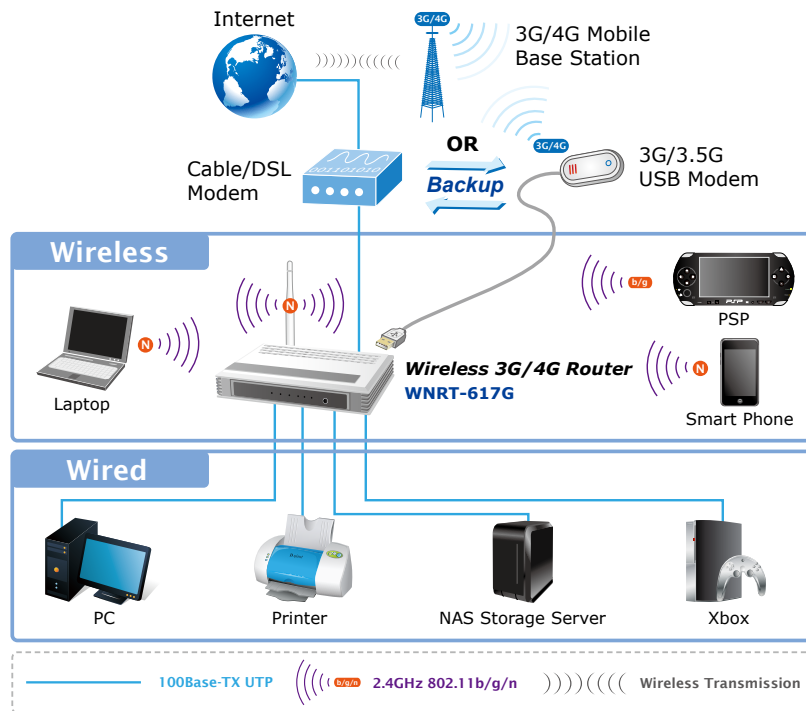
Easy to Set Up

Users can easily configure the wireless router according to the Quick Setup wizard on the web configuration page. Just click the wizard and set up step by step. You can easily get on the wireless network and enjoy high-speed Internet transmission in your home or office.

Applications

Sharing Mobile Wireless Network Anytime, Anywhere

Via connecting compatible USB 3G or 4G Modem to the 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 sharing network with your neighbors. The WNRT-617G applied with 802.11n technology provides a better wireless signal, and 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 it up step by step. You can then relax by getting on the wireless network and enjoy high-speed Internet transmission anywhere, anytime.

Specifications

Model	WNRT-617G 150Mbps 802.11n Wireless 3G/4G Router	
Electrical Specifications		
Interfaces	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	
Antennas	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 on rear panel	
WPS / Reset Button	WPS / Reset button on front panel Press the button for at least 5 seconds to reset to factory default setting	
LED Indicators	PWR, SYS, WLAN, LAN x 4, WAN, 3G / 4G, WPS with green light	
Material	Plastic	
Dimensions (W x D x H)	174 x 110 x 23 mm	
Weight	200g	
Power Requirements	9V DC, 0.85A	
Wireless Interface Specifications		
Standard	Compliant 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	$\leqq$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	
Software Features		
Wireless Mode	AP, WDS (AP+Bridge)	

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 WMM (Wi-Fi multimedia): 802.11e Wireless QoS
	Wireless Isolation: Enables to isolate each connected wireless client from communicating with each other
	Supports Wireless Roaming (mobility feature)
	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 filtering and DoS protection
Routing Protocol	Static Routing
VPN Pass-through	PPTP, L2TP, IPSec
LAN	Built-in DHCP server supporting static IP address distribution 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 saves to local host

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
Other Protocols and Standards	CSMA/CA, CSMA/CD, TCP/IP, DHCP, ICMP, NAT, PPPoE, SNTP

Environment & Certification

Temperature	Operating: 0 ~ 40 degrees C Storage: -40 ~ 70 degrees C
Humidity	Operating: 10 ~ 90% (non-condensing) Storage: 5 ~ 90% (non-condensing)

Ordering Information

WNRT-617G	150Mbps 802.11n Wireless 3G/4G Router

Related Wireless Products

WNL-U555HA	High Power 802.11n Wireless Compact USB Adapter
WNL-U554A	802.11n Wireless USB 2.0 Adapter External 3dBi Antenna
WNL-9501	802.11n Wireless PCI Express Adapter
WNL-U556M	300Mbps 802.11n Wireless Micro USB Adapter

To have the best performance and wireless connection, we sincerely advise you to match with the above related products.

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