

300Mbps 802.11n Wireless Gigabit Router



Multiple Wireless Network Technologies for Greater Access

Offering an instant network and flexibility for users to handle network expansion and speed, PLANET WNRT-633 Wireless Gigabit Router is a total solution to the Home, Hotspot and the SOHO users. It offers 300Mbps wireless speed and multiple operation modes in which Gigabit LAN and WAN greatly increase client mobility and speed within a network. By installing the WNRT-633 as the central connection point of the network, the connected computers and mobile devices are able to share the high-speed broadband Internet connectivity and networked server. With the four built-in 10/100/1000Base-T LAN ports, it is easy to integrate the wireless devices into the existing wired network.

Gigabit LAN Throughput Boosts Network Traffic

Gigabit Ethernet is the perfect solution for one of the major requirements of today's Local Area Networks: improving communication speed. With throughput up to 10 times that of the existing 100Mbps solutions, the WNRT-633 fully employs the full functionality of the 802.11n wireless standards, eliminating the bottleneck of the transmission speed of the Megabit wired type. Using the WNRT-633 to connect your desktop, NAS, media player and game console guarantees extremely high throughput and excellent signal quality.



IEEE Compliant Wireless LAN & Wired LAN

- Compliant with IEEE 802.11n wireless technology capable of up to 300Mbps data rate
- Backward compatible with 802.11b/g standard
- Equipped with all Gigabit RJ-45 ports (10/100/1000Mbps) like 1 WAN and 4 LAN ports
- Auto MDI/MDI-X supported

Fixed-network Broadband Router

- Supported Internet types: Dynamic IP/ Static IP/ PPPoE/ L2TP/ PPTP
- Supports Static & Dynamic (RIP1 and 2) Routing
- Supports IP / MAC-based Bandwidth Control
- Supports 802.1d STP & IGMP Proxy

Secure Network Connection

- One-touch Wi-Fi Protected Setup (WPS)
- Advanced security: 64-/128-bit WEP, WPA/WPA2 and WPA-PSK/WPA2-PSK (TKIP/AES encryption) and 802.1x Authentication
- Built-in NAT firewall is featured with Port/ IP/ MAC/ URL Filtering, and DoS protection
- Supports Multiple-SSID to allow users to access different networks through a single AP

Advanced Networking Function for Specific Application

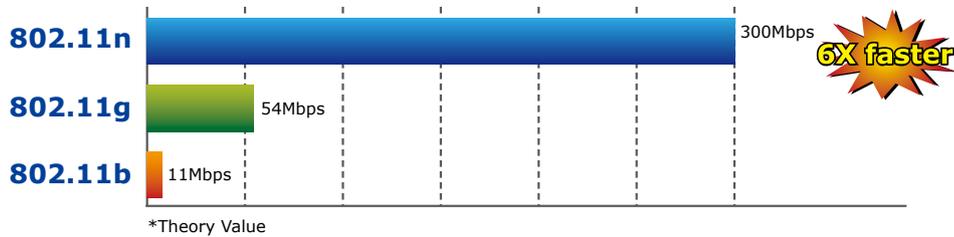
- Supports multiple sessions IPSec, L2TP, PPTP, and IPv6 VPN pass-through
- Supports Port Forwarding, DMZ, UPnP and Dynamic DNS for various networking applications
- Supports DHCP Server

Easy Installation & Management

- User Friendly Web-based UI and setup Wizard for easy configuration
- Remote Management allows configuration from a remote site
- System status monitoring includes DHCP Client List and System Log

High-Speed 802.11n Wireless Type

The WNRT-633 features the latest IEEE 802.11n radio with 2T2R MIMO antenna technology to provide improved wireless speed and coverage with up to 300Mbps upload and download data rate. The incredible wireless speed makes it ideal for stably handling multiple HD movies stream, high resolution on-line game, stereo music, VoIP and data streams at the same time. It is also backward compliant with 802.11g and 802.11b standards; thus, it is no need to change the existing network for convenient maintenance. Just connect to the WNRT-633 and users can immediately enjoy the high-speed wireless sharing.

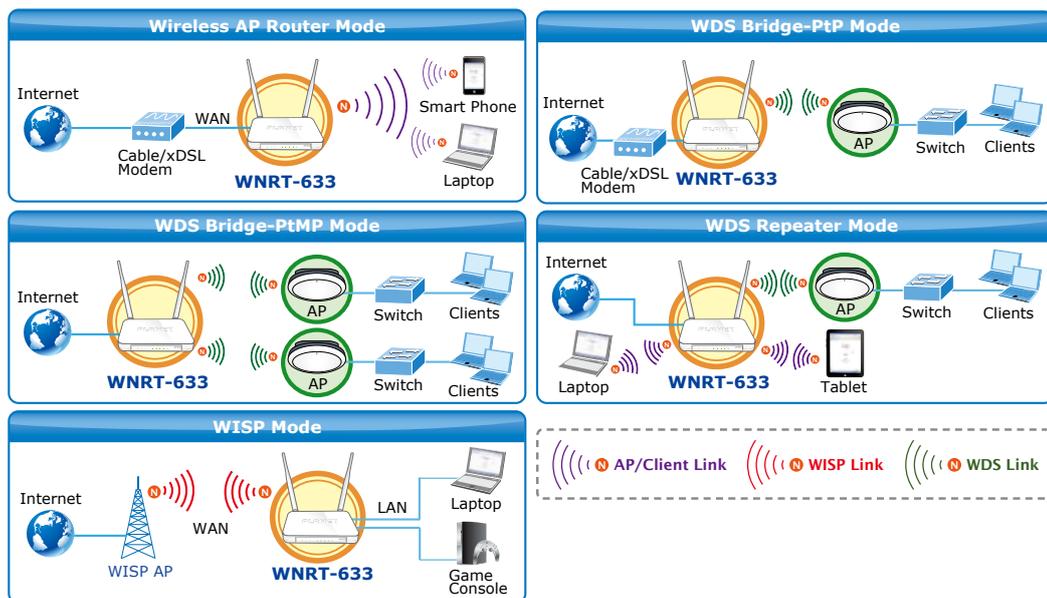


Wireless Coverage Plus !

The WNRT-633 is equipped with 5dBi High-Gain antennas to provide strong signal and excellent performance even in the long range or bad environment. With detachable RP-SMA connector design in the WNRT-633, it allows users to manually exchange higher gain antenna for farther wireless coverage range.

Easy Setup for Multiple Wireless Modes

The WNRT-633 supports multiple wireless modes including Gateway, Bridge, Repeater and WISP (Wireless Internet Service Provider), for different network applications. Furthermore, with the built-in Wizard Setup function, users can configure the WNRT-633 easily and quickly through a couple of simple steps. It is so easy to apply the WNRT-633 to the existing wired network. The WNRT-633 definitely provides a total network solution for the home and the SOHO users.

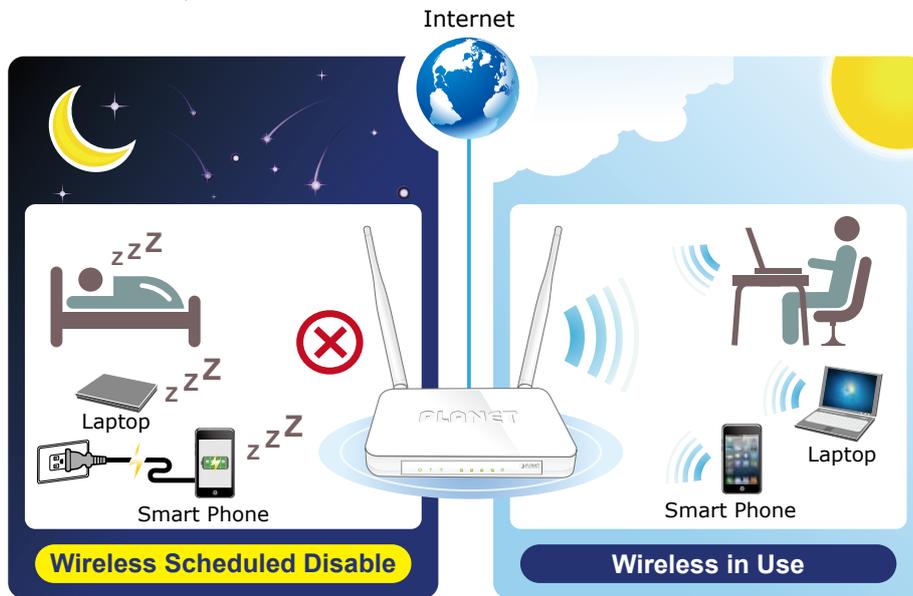


Wide Range of Wireless Security Supports

To secure the wireless communication, the WNRT-633 supports most up-to-date encryptions including WPA/WPA2-PSK with TKIP/AES. Made to fulfill enterprise and various applications demand, the WNRT-633 enhances security and management features such as multiple SSID. It can create up to 5 virtual standalone APs with 5 different SSIDs according to individual security levels and encryption scheme of various wireless devices.

Secure Wireless Access Control

The built-in “Wireless Schedule” helps you to automatically enable or disable the wireless function of the WNRT-633 during specified week day or specific time intervals of a day based on your pre-defined schedule rule. This feature is often used for restricting wireless access to all users, such as children, guests or unexpected intruders, during specific times of the day for parental control or security reasons. Moreover, under the trend of energy saving worldwide and contributing to environmental protection, the wireless schedule can effectively save power via wireless disable. It is a great function to help home and SOHO users save power and money.

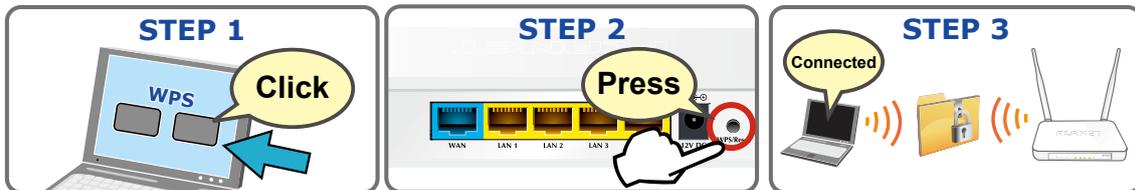


Schedulable Wireless ON/OFF Control

One-touch Secure Wireless Connection

In order to simplify security settings for home and SOHO networks, the WNRT-633 supports Wi-Fi Protected Setup (WPS) with configuration in PBC and PIN type. Just push the WPS button or key-in the PIN code, the secure connection between the WNRT-633 and the wireless clients can be built immediately, which offers users a convenient and fast method to build a secure wireless network.

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



Powerful Firewall and Complete Access Control Functions

The WNRT-633 supports NAT functions and allows multiple users to access Internet via only one single legal IP. It provides Port Forwarding and DMZ for LAN PC to act as an application server. Furthermore, the advanced firewall by the WNRT-633 can protect your Intranet clients from unauthorized accesses and various DoS attacks from the Internet. In respect of the firewall, the WNRT-633 provides IP / MAC / URL filtering, and prevents possible hackers attack.

Reduce Power Consumption Up to 80%

The WNRT-633 consumes less power when comparing to the existing wireless Gigabit router. Moreover, when there is no wired or wireless Ethernet link, the WNRT-633 will automatically switch to the "Power-saving" mode that would reduce energy wasting by over 80%*.

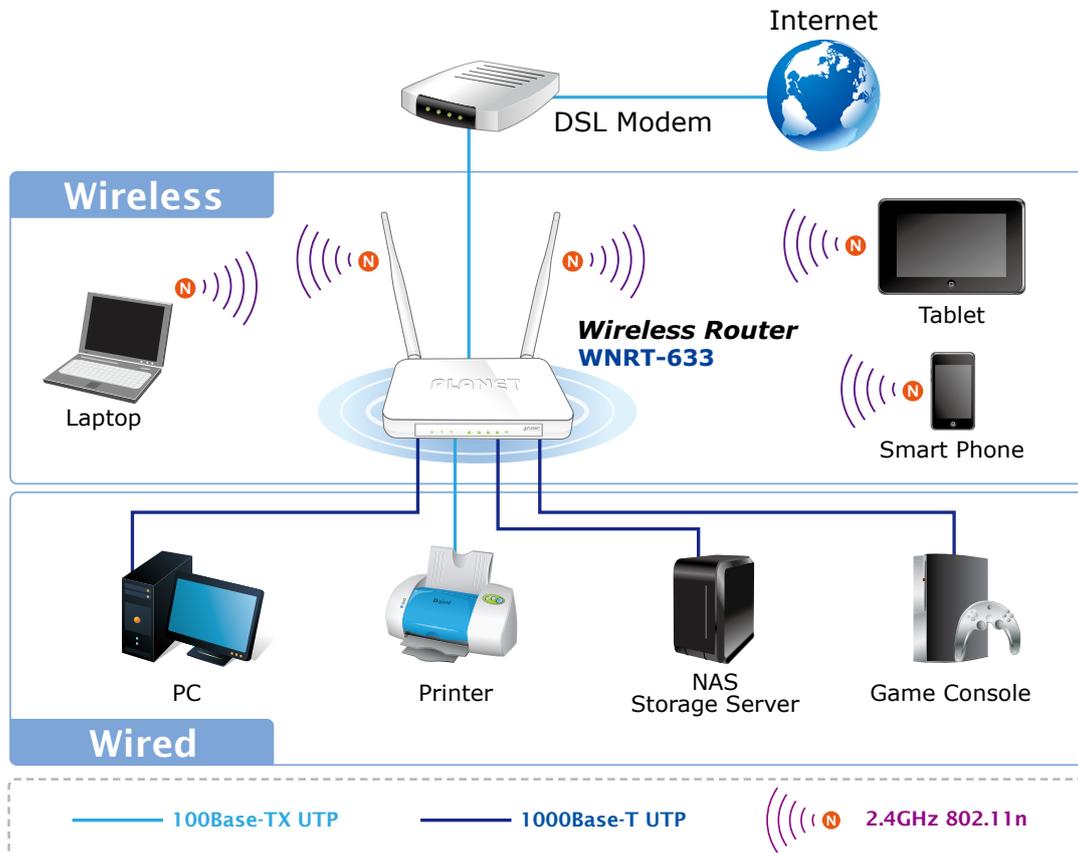
*Actual data will vary depending on the network conditions and environmental factors.



Applications

Multiple Applications, Faster Speed than 802.11g WLAN

All the Gigabit Ethernet ports of the WNRT-633 offer ultra-fast, wired connections as well. With IEEE 802.11n technology compliant with 802.11b/g standard, the WNRT-633 provides a better wireless signal, higher data rate and performance than 802.11g compliant routers. With outstanding stability on high-speed wireless transmission, the WNRT-633 can provide users with excellent experience of multimedia streaming with your mobile devices anywhere, anytime. Furthermore, the WNRT-633 features the latest security and firewall functions to prevent unauthorized access or invasion.



Specifications

Product	300Mbps 802.11n Wireless Gigabit Router	
Product	WNRT-633	
Hardware Specification		
Interface	WAN	1 x 10/100/1000Mbps Auto MDI/MDI-X RJ45 port
	LAN	4 x 10/100/1000Mbps Auto MDI/MDI-X RJ45 port
	Wireless	2 x detachable RP-SMA Connector
Antenna	Gain	2 x 5dBi antenna
	Orientation	Omni-directional
WPS / Reset Button	Reset / WPS button at rear panel <ul style="list-style-type: none"> ■ Press for about 7 seconds to reset the device to factory default. ■ Press for 1 second to activate WPS function. 	
LED Indicators	PWR, WPS, WLAN, WAN/LAN with green light	
Material	Plastic	
Dimensions (W x D x H)	154 x 106 x 27 mm (without antenna)	
	154 x 136 x 27 mm (with antenna)	
Weight	212g	
Power Requirements	DC 12V , 0.7A maximum	
Power Adapter	AC Input: 100~240V AC (50/60Hz)	
	DC Output: 12V, 1A	
Wireless Interface Specifications		
Standard	Compliance with IEEE 802.11b/g/n	
Frequency Band	2.4~2.4835GHz	
Extended Frequency	DSSS	
Modulation Type	DBPSK, DQPSK, QPSK, CCK and OFDM (BPSK/QPSK/16-QAM/ 64-QAM)	
Data Transmission Rates	802.11n(40MHz):270/243/216/162/108/81/54/27Mbps 135/121.5/108/81/54/40.5/27/13.5Mbps (Dynamic)	
	802.11n(20MHz):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: 2.412~2.462GHz (11 Channels) Europe/ ETSI: 2.412~2.472GHz (13 Channels) Japan/ TELECOM: 2.412~2.484GHz (14 Channels)	
Max. RF Power	20 dBm max. (EIRP)	
Receive Sensitivity	270M: -68dBm@10% PER	
	130M: -68dBm@10% PER	
	54M: -68dBm@10% PER	
	11M: -85dBm@8% PER	
Wireless Management Features		
Operation Mode	<ul style="list-style-type: none"> ■ Gateway (default) ■ Bridge ■ WSP 	
	Wireless Mode	<ul style="list-style-type: none"> ■ AP ■ WDS ■ Repeater (WDS+AP) ■ Universal Repeater (AP+Client)
	Encryption Security	<ul style="list-style-type: none"> ■ WEP (64/128-bit) encryption security ■ WPA-Enterprise / WPA2-Enterprise (TKIP/AES) ■ WPA-Personal / WPA2-Personal (TKIP/AES) ■ 802.1x Authentication
Wireless Security	<ul style="list-style-type: none"> Provides wireless LAN ACL (Access Control List) filtering Wireless MAC address filtering Supports WPS (Wi-Fi Protected Setup) Enables/Disables SSID Broadcast 	
Wireless Advanced	WMM(Wi-Fi Multimedia): 802.11e Wireless QoS	
	IAPP(Inter Access Point Protocol): 802.11f Wireless Roaming	
	Provides Wireless Statistics	

Router Features

Internet Connection Type	Shares data and Internet access for users, supporting the following internet accesses: ■ PPPoE ■ Dynamic IP ■ Static IP ■ PPTP ■ L2TP
Firewall	NAT firewall with SPI (Stateful Packet Inspection) Built-in NAT server supporting Port Forwarding, and DMZ Built-in firewall with IP address/ MAC address/ Port/ URL filtering Supports ICMP-FLOOD, UDP-FLOOD, TCP-SYN-FLOOD filter, DoS protection
Routing Protocol	Static / Dynamic (RIP1 and 2) Routing
VPN Pass-through	PPTP, L2TP, IPSec, IPv6
LAN	Built-in DHCP server supporting static IP address distributing Supports UPnP, Dynamic DNS Supports IGMP Proxy Supports 802.1d STP (Spanning Tree) IP / MAC-based Bandwidth Control
System Management	Web-based (HTTP) management interface SNTP time synchronize Easy firmware upgrade System Log supports Remote Log

Standards Conformance

IEEE Standards	IEEE 802.11n (2T2R, up to 300Mbps) 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

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-633	300Mbps 802.11n Wireless Gigabit Router
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Related PoE Products

WNL-U556M	300Mbps 802.11n Wireless Micro USB Adapter
WDL-U700	300Mbps Dual Band 802.11n Wireless USB Adapter
WNL-U554A	802.11n Wireless USB 2.0 Adapter External 3dBi Antenna
WNL-U554M	802.11n Micro Wireless USB 2.0 Adapter
WNL-9501	802.11n Wireless PCI Express Adapter

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