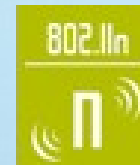


802.11n Wireless Gigabit Broadband Router **WNRT-632**



Presentation Outline

- ◆ **Product Overview**
- ◆ **Product Benefits**
- ◆ **Product Features**
- ◆ **Applications**
- ◆ **Management – Web UI**
- ◆ **Comparison – Internal**
- ◆ **Comparison – External**





Product Benefits

- ◆ **11n Highest-Speed Wireless Connectivity**
 - ✓ **With wireless speeds of up to 300Mbps, the PLANET 802.11n Wireless Gigabit Broadband Router built-in with 2T2R MIMO intelligent antennas offering high performance and superior coverage range.**

- ◆ **Gigabit Ethernet Connectivity**
 - ✓ **Built-in 10/100/1000Mbps Gigabit Ethernet connection ports support cable length dynamically and link down per port power saving.**



Product Benefits

◆ **Secure Network Connection**

- ✓ **Easy to establish secured Wireless Connection via WPS function**
- ✓ **Support NAT firewall features, with SPI function to protect against DoS attacks**
- ✓ **Support Internet Access Control, like URL Blocking, Packet, Domain & MAC Filtering**

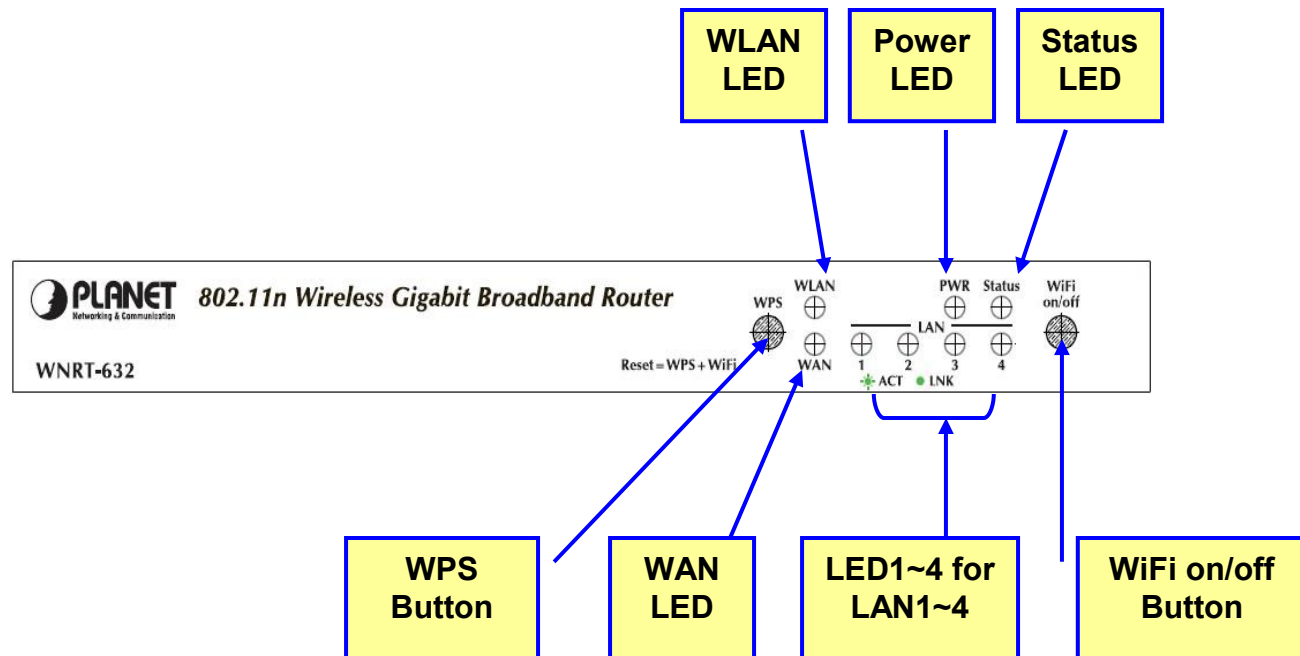
◆ **Easy to install & Management**

- ✓ **User-friendly Web based UI & Intelligent Configuration Wizard to help user quickly configure settings step by step**
- ✓ **Easy firmware upgrade via Web, and backup/restore settings to provide more flexibility for users**
- ✓ **Remote Management to let Administrator easily handling & monitoring system state**

Product Overview

◆ Front Panel

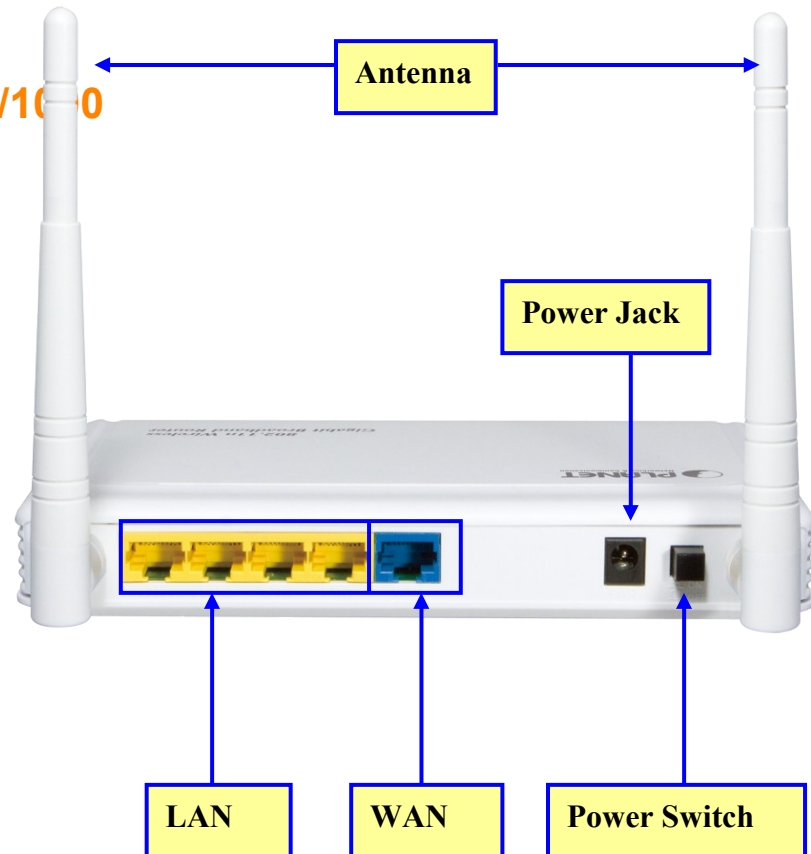
- LED Indication: PWR/Status/LAN/WAN/WLAN
- H/W Button: Wi-Fi on/off, WPS enable
- Reset Default: WPS+ Wi-Fi on/off



Product Overview

◆ Rear Panel

- Antenna: 2x 3dBi detachable
- LAN/WAN Port: RJ-45, 10/100/1000
- H/W Button: Power Switch
- Power Jack: 12V DC,1A



Product Features

◆ Hardware

✓ Industrial Compliant

- 300Mbps 802.11n 2T2R MIMO Technology, backward compatible to 802.11b/g
- Built-in 10/100/1000Mbps, Auto-MDI/MDIX RJ-45 port for LAN/WAN connection

✓ Easy of Use

- Convenient Power and Wi-Fi on/off switch to conserve energy
- Easy to read LED indicators
- Detachable RP-SMA Antenna Connector allows for stronger Antenna upgrades
- Establish Secured Wireless Connection via WPS button
- Easily Recovery to factory default via WPS & Wi-Fi on/off button

Product Features

◆ **Wireless**

- ✓ **Speed up to 300Mbps in 802.11n 2T2R MIMO Technology**
- ✓ **WPS (Wi-Fi Protected Setup) support**
 - **PBC (Push Button) & PIN**
- ✓ **Operation Mode**
 - **AP, WDS (Point to Point, Point to Multi-Point Bridge), Hybrid (WDS+AP)**
- ✓ **SSID Broadcast & in stealth mode**
- ✓ **Wireless Security**
 - **64/128 bit WEP, WPA, WPA-PSK, WPA2, WPA2-PSK**
- ✓ **Detachable Antenna allows for stronger antenna upgrades**

Product Features

◆ Router/Firewall

- ✓ **Native NAT Firewall**
- ✓ **MAC, IP/Server Filter, URL Blocking for Internet Access Control**
- ✓ **SPI firewall / DoS prevention & protection**
- ✓ **Multiple sessions IPSec, L2TP and PPTP VPN pass-through**
- ✓ **Support Dual-Access for Russia (PPPoE & PPTP)**
- ✓ **QoS mechanism for efficiently prioritizing the various type of traffics**
- ✓ **Virtual server, Special AP (e.g. MSN Gaming Zone), DMZ, Super DMZ(IP pass-through)**
- ✓ **Fast P2P, Up to 20K NAT Sessions**

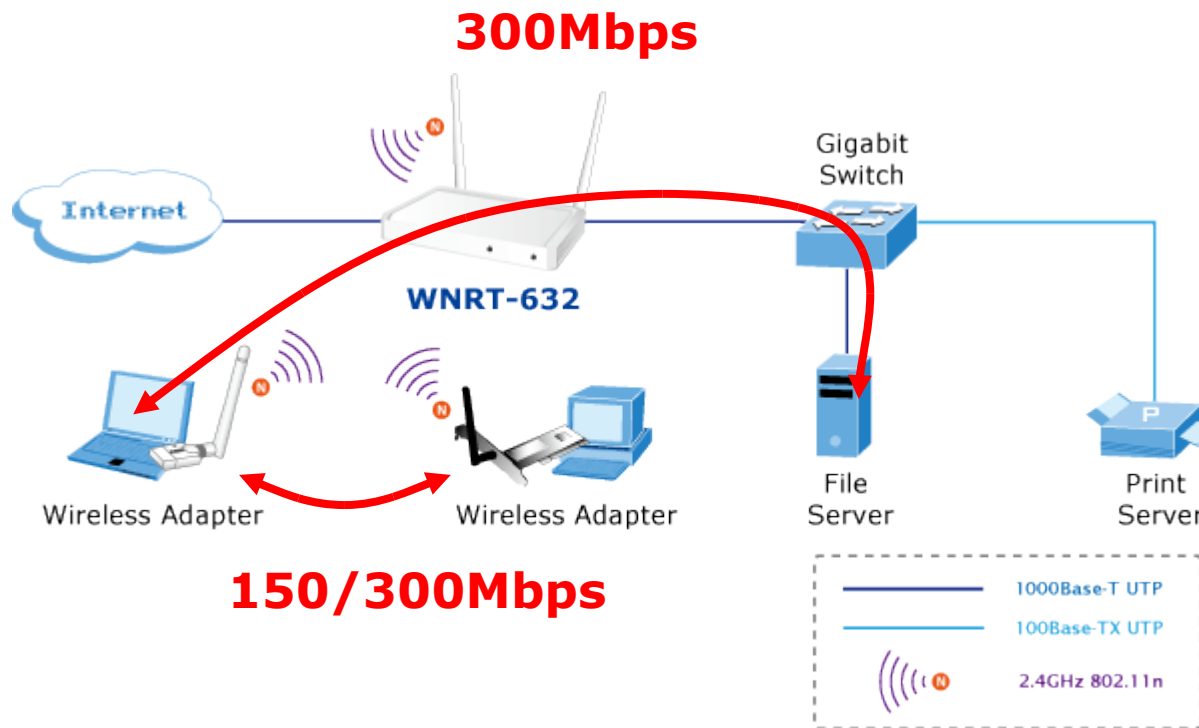
Product Features

◆ Management

- ✓ **User-friendly Web-based UI Management**
- ✓ **Intelligent configuration wizard with auto WAN detection**
- ✓ **Built-in DHCP Server**
- ✓ **Remote Administration by host and designated port**
- ✓ **Firmware Upgrade & Configuration Backup/Restore**
- ✓ **Status Monitoring by E-mail Alert & System log**
- ✓ **Support DDNS (Dynamic Domain Name Service) Function**
- ✓ **Support **SNMP V1/V2c****
- ✓ **Support UPnP IGD Function**

Applications

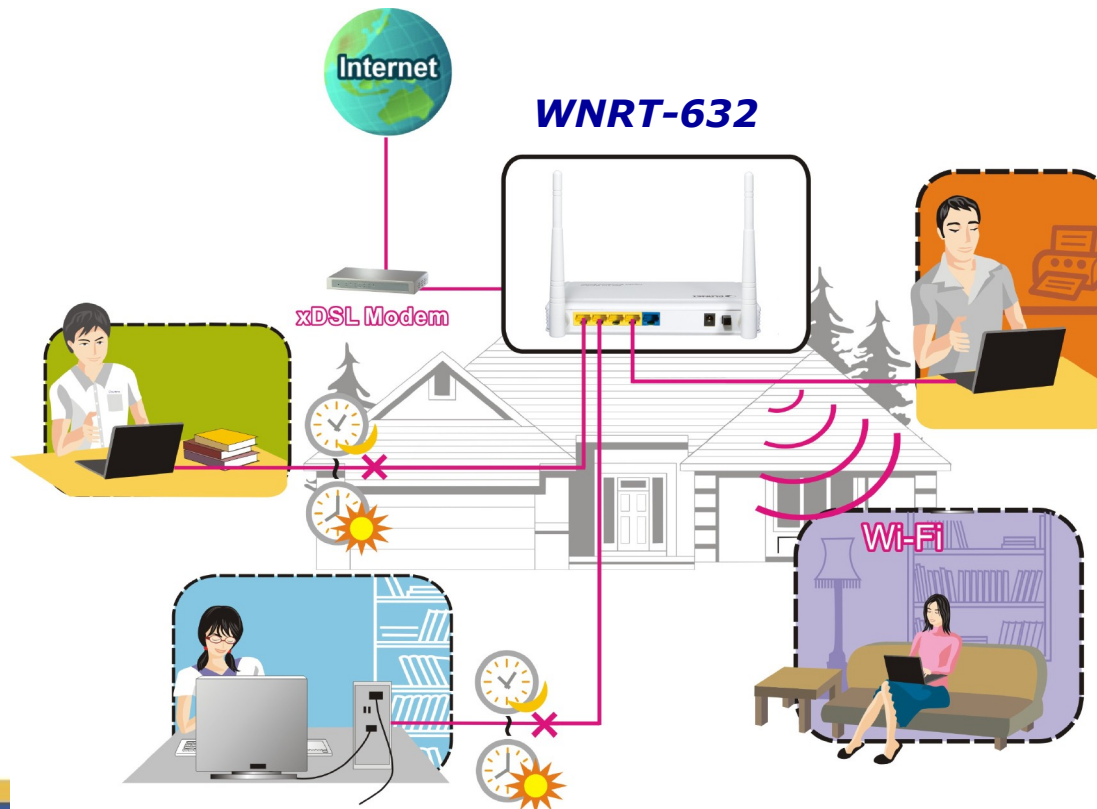
◆ Typical Application



Applications

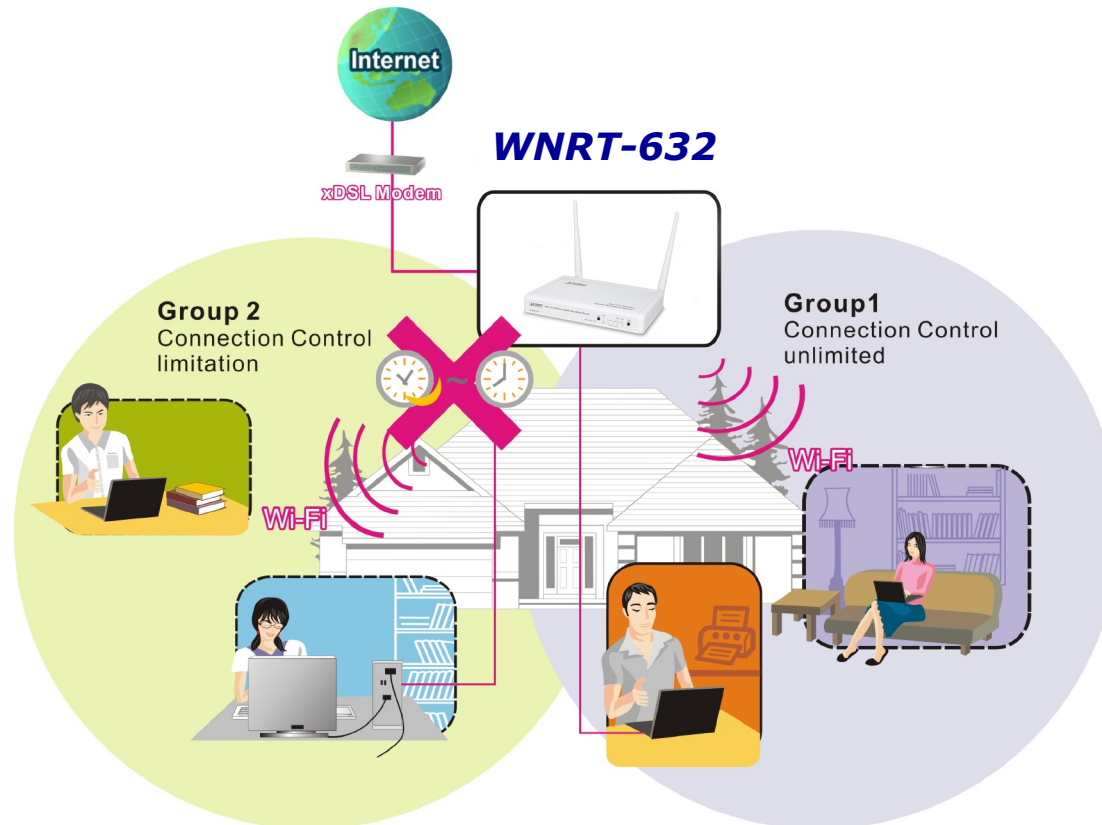
◆ Access Control - per Scheduling Rule

- ✓ By setting up the schedule, the restricted users shall follow the time restriction for the Internet Accessing. Say, your young girl or boy at school high



Applications

- ◆ **Access Control - per Scheduling Rule & Group**
 - ✓ Also can setup the access by groups, wired or wirelessly



Management – Web UI

Quickly Web Login

System Password : (default:admin)

▶ System Status [HELP]

Item	WAN Status	Sidenote
Remaining Lease Time	55:45:06	<input type="button" value="Renew"/>
IP Address	192.168.99.123	<input type="button" value="Release"/>
Subnet Mask	255.255.255.0	
Gateway	192.168.99.254	
Domain Name Server	168.95.1.1, 8.8.8.8	
MAC Address	00-30-4F-21-D4-36	

Clear & Concise System Status

▶ Wireless Status

Item	WLAN Status	Sidenote
Wireless mode	Enable	
SSID	default	
Channel	Auto	
Security	WPA2-PSK	(AES)
MAC Address	00-30-4F-21-D4-37	

Web UI

◆ Status

▶ NAT Status					
ID	Internal	Protocol	External	NAT	Time-out
11	192.168.0.129:63594	UDP	8.8.8.8:53	26837	219
12	192.168.0.129:63595	UDP	8.8.8.8:53	26839	219
13	192.168.0.129:1128	TCP	60.199.249.41:80	26841	3519
14	192.168.0.129:55022	UDP	8.8.8.8:53	26843	219
15	192.168.0.129:53209	UDP	8.8.8.8:53	26847	219
16	192.168.0.129:1130	TCP	64.233.183.118:80	26849	3519

Page: 2/2 (Active Session Number:16)

Active Session Information

DHCP Client & Wake On LAN

▶ DHCP Clients List [HELP]			
IP Address	Host Name	MAC Address	Select
192.168.0.129	enm-tom-X61	00-1F-1F-BF-21-8F	<input checked="" type="checkbox"/>

Web UI

◆ Setup

▶ Primary Setup
▶ Wireless Setting
[HELP]

▶ Schedule Rule Setting
[HELP]

Item	Setting	
▶ Name of Rule 1	<input type="text" value="Off business"/>	
▶ System Time	2009年6月1日 上午 12:57:47	
Week Day	Start Time (hh:mm)	End Time (hh:mm)
Sunday	<input type="text" value=""/> : <input type="text" value="1"/>	<input type="text" value="23"/> : <input type="text" value="59"/>
Monday	<input type="text" value=""/> : <input type="text" value=""/>	<input type="text" value=""/> : <input type="text" value=""/>
Tuesday	<input type="text" value=""/> : <input type="text" value=""/>	<input type="text" value=""/> : <input type="text" value=""/>
Wednesday	<input type="text" value=""/> : <input type="text" value=""/>	<input type="text" value=""/> : <input type="text" value=""/>
Thursday	<input type="text" value=""/> : <input type="text" value=""/>	<input type="text" value=""/> : <input type="text" value=""/>
Friday	<input type="text" value=""/> : <input type="text" value=""/>	<input type="text" value=""/> : <input type="text" value=""/>
Saturday	<input type="text" value=""/> : <input type="text" value=""/>	<input type="text" value=""/> : <input type="text" value=""/>
Every Day	<input type="text" value="21"/> : <input type="text" value="30"/>	<input type="text" value="23"/> : <input type="text" value="59"/>

Saved! The change takes effective immediately!

Wireless
Schedule
Access



Web UI

◆ Other Setups




Miscellaneous Items [HELP]	
Item	Setting
▶ MAC Address for Wake-on-LAN	<input type="text"/> <input type="button" value="Wake up"/>
▶ Domain Name or IP address for Ping Test	<input type="text"/> <input type="button" value="Ping"/>
<input type="button" value="Save"/> <input type="button" value="Undo"/>	
▶ IP 2	<input type="text"/>
▶ IP 3	<input type="text"/>
▶ IP 4	<input type="text"/>
▶ SNMP Version	<input type="radio"/> V1 <input checked="" type="radio"/> V2c
<input type="button" value="Save"/> <input type="button" value="Undo"/>	
8	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="checkbox"/>
<input type="button" value="Save"/> <input type="button" value="Undo"/>	

Misc. tools

Comparison - Internal

Model	WNRT-632	WNRT-630
Features		
Flash/RAM	2MB/16MB	4MB/16MB
Ethernet Port	10/100/1000Mbps	10/100/1000Mbps
Wireless Interface	802.11b/g/n	802.11b/g/n
Wireless Antenna	2 x 3dBi detachable Antenna	3 x 3dBi fixed Omni Antenna
H/W Button	Power/Reset/WLAN/WPS	Reset/WPS
Wireless Encryption	64/128-bit WEP, WPA1/2, WPA-PSK1/2	64/128-bit WEP, WPA1/2, WPA-PSK1/2
Universal Repeater mode	support in 2011	Yes
WDS	Yes	Yes
WAN	Dynamic IP/Static IP/PPPoE/PPTP/L2TP/Telstra Big Pond/Russia PPPoE/Russia PPTP	Dynamic IP/Static IP/PPPoE/PPTP/L2TP/Telstra Big Pond
SPI Firewall/Access Control	Yes	Yes
Virtual Server/DMZ	Yes	Yes
QoS	Yes	Yes
UPnP	Yes	Yes
System Log	Yes	Yes
E-mail Alerts	Yes	No

Comparison - External

Model	PLANET/WNRT-632	SMC/WGBR14S-N	ZyXEL/NBG-419N
Features			
Ethernet Port	10/100/1000Mbps	10/100/1000Mbps	10/100Mbps
Wireless Interface	802.11b/g/n	802.11b/g/n	802.11b/g/n
Wireless Antenna	2 x 3dBi Detachable Antenna	3 x 4dBi Fixed Antenna	3 x 2dBi Detachable Antenna
H/W Button	Power/Reset/WLAN/WPS	Reset/WLAN/WPS	Reset/WLAN/WPS
Wireless Encryption	64/128-bit WEP, WPA1/2, WPA-PSK1/2	64/128-bit WEP, WPA1/2, WPA-PSK1/2	64/128-bit WEP, WPA1/2, WPA-PSK1/2
SSID Broadcast	Yes	Yes	Yes
WDS	Yes	Yes	Yes
SNMP	Yes	No	No
Firewall/Access Control	Yes	Yes	Yes
Virtual Server/DMZ	Yes	Yes	Yes
QoS	Yes	Yes	Yes
UPnP	Yes	Yes	Yes
System Log	Yes	Yes	Yes
E-mail Alerts	Yes	No	Yes

Appendix

◆ Related Products

✓ PLANET 11n Product

- WNL- U554/U554A - 802.11n Wireless USB 2.0 Adapter
- WNL- 9331/9501 - 802.11n Wireless PCI Adapter



WNL-U554A



WNL-9331



ACTIVATING IP POWER