

600Mbps Dual-Band 802.11n Wireless Gigabit Router



2.4G and 5G Simultaneous Dual-Band Wireless Connectivity

Since there are more and more wireless applications and electric devices using the radio frequency of 2.4GHz, the wireless channel of 2.4GHz has been already too crowded for clients to enjoy the high-speed wireless connection. In order to avoid the wireless interference between each other, PLANET WDRT-731U provides users the radio frequency of 5GHz for watching HD videos or playing online games. At the same time, it enables other users to surf the Internet via the original radio frequency of 2.4 GHz. The WDRT-731U is just like 2 totally independent Access Points in one device for you.

WiFi Home Networking



IEEE Compliant Wireless LAN & Wired LAN

- Compliant with IEEE 802.11a/b/g/n dual band (2.4G & 5G) wireless technology capable of up to 300+300Mbps data rate
- Equipped with all Gigabit RJ-45 ports (10/100/1000Mbps) of (1 WAN and 4 LAN ports)
- Auto MDI/MDI-X supported
- LAN 4 supports IPTV pass-through enabling you to enjoy online videos

Fixed-network Broadband Router

- Supports WAN connection types: Dynamic IP / Static IP / PPPoE / PPTP / L2TP / PPPoE Dual Access
- Supports Dynamic DNS and DHCP Server

Secure Network Connection

- Supports Wi-Fi Protected Setup (WPS)
- Advanced security: 64/128-bit WEP, WPA/WPA2 and WPA-PSK / WPA2-PSK (TKIP/AES encryption)
- Supports NAT firewall, IP / Port / URL-based access control and MAC address filtering
- Supports dual-SSID to allow users to access different networks through one single AP

Advanced Networking Function for Specific Application

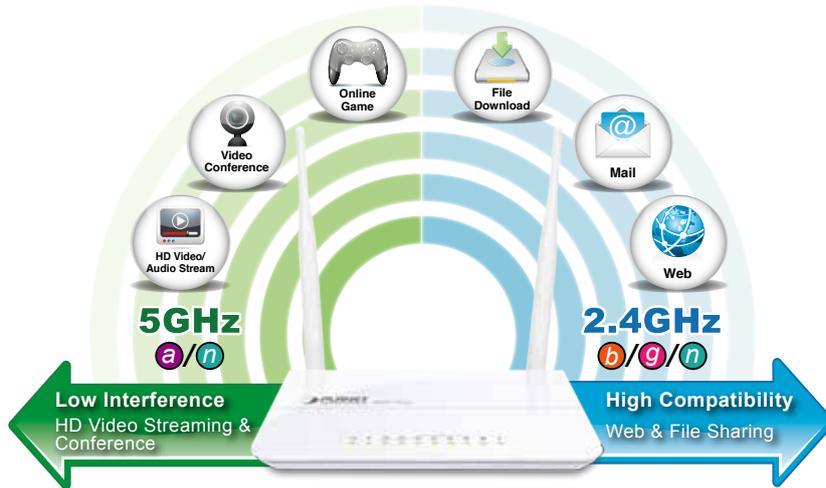
- Supports Bandwidth Control (QoS) based on different local IP addresses
- Supports NTP, Virtual Server, UPnP and DMZ for various networking applications
- Equipped with one USB port for sharing printers and USB mass storages wirelessly

Easy Installation and Management

- User-friendly Web-based UI with On-line Help
- Remote Management allows configuration from a remote site
- System status monitoring includes DHCP Client List and System Log

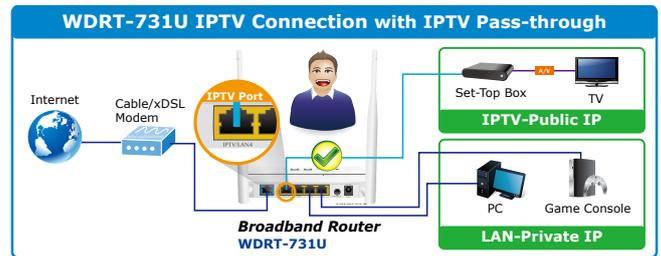
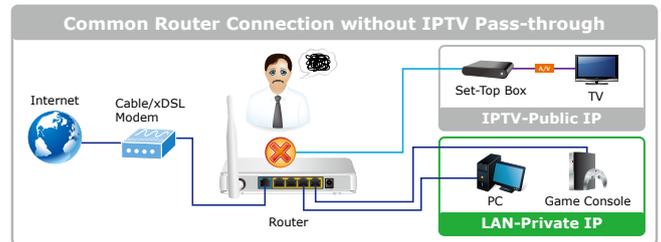
Multiple Network Technologies for Incredibly 600Mbps High-Speed Connection

The WDRT-731U supports IEEE 802.11a/b/g/n dual band standard with 2T2R antenna technology, therefore it can provide the wireless speed up to 300 + 300Mbps which is 12 times faster than that of the traditional 11g access point. Moreover, the WDRT-731U is equipped with all Gigabit Ethernet ports and built-in with 5dBi High-Gain antennas which provide strong signal and excellent performance even in the long range or bad environment. Compared with general wireless routers, the WDRT-731U offers faster transmission speed and more convenient method to enable or disable wireless signal.



IPTV Pass-through for Video On Demand

The WDRT-731U provides an IPTV-specific port which enables the IPTV Set-Top-Box (STB) connection to directly pass-through the LAN port. The IPTV feature makes it possible for users to enjoy online videos on the TV set via Set-Top-Box (STB) through the WDRT-731U while surfing Internet. The IPTV port can also function as a LAN port if IPTV service is not enabled.



- 100Base-TX UTP
- 1000Base-T UTP
- Audio Line / Video Line

More Flexible File Sharing over USB port

The WDRT-731U is built-in with one USB 2.0 port which can be connected to a USB printer or storage device for file sharing. It can recognize the USB printer or storage automatically without user experience. Thus, all clients on the network can share printer or mass storage through the WDRT-731U without complicated network configuration. Via the USB port, it also can output 5V DC power to charge any USB compliant devices.



Powerful Firewall and Complete Access Control Functions

The WDRT-731U supports NAT function allowing multiple users to access Internet via a single legal IP. It also provides Virtual Server for the specific LAN PC to act as an application server and offer certain service to the clients on the Internet. In addition, the powerful firewall protects your Intranet clients from unauthorized accesses and various kinds of DoS attacks from the Internet. In aspect of firewall, the WDRT-731U supplies IP-based and MAC-based access control to prevent possible hackers attack.

Full Support of Wireless Security Encryption

To secure the wireless communication, the WDRT-731U supports up-to-date encryptions, such as WPA / WPA2 and WPA-PSK / WPA2-PSK with TKIP/AES. The WDRT-731U supports Wi-Fi Protected Setup (WPS) configuration with PBC/PIN methods to simplify the wireless security settings. By just clicking the WPS button, the secure connection between the wireless AP and wireless client will be built immediately.

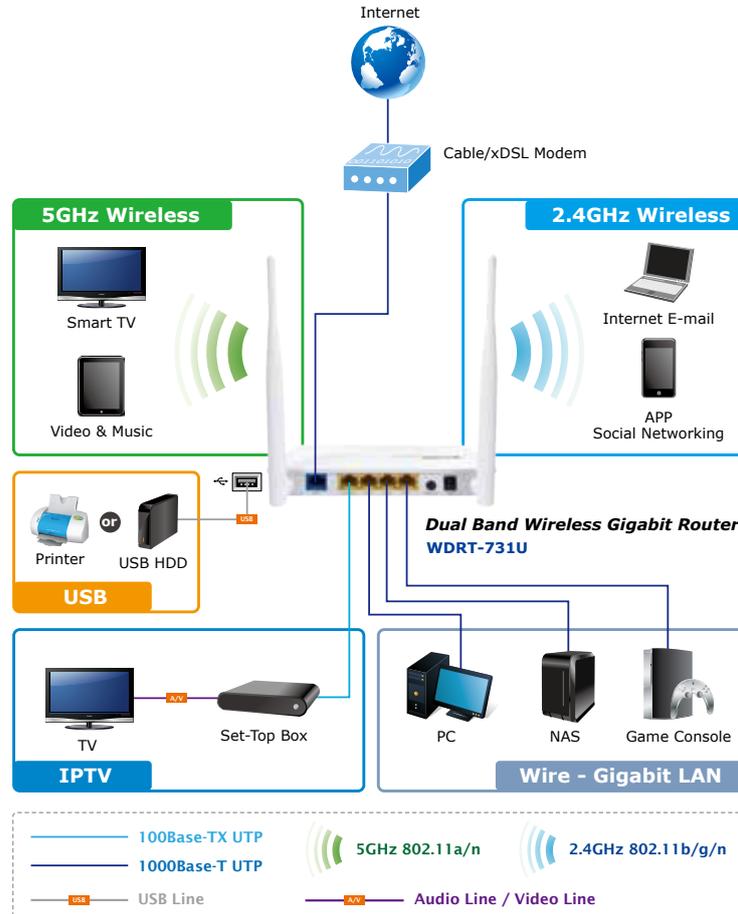
WPS (Wi-Fi Protected Setup)
Quick & Easy Wireless Connection



Application

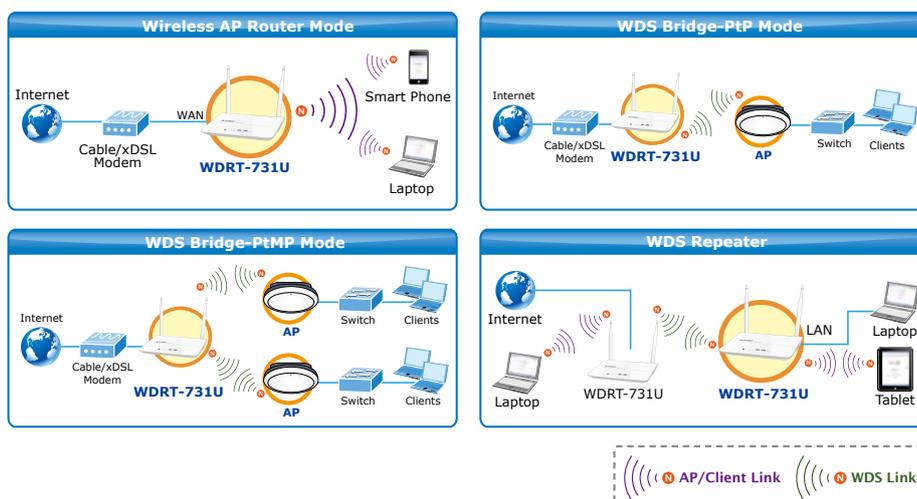
Experience the Real High-Speed Wireless Connection

PLANET WDRT-731U delivers the dual band technology to avoid signal interference and ensure the best Wi-Fi performance. It allows you to check e-mail and surf the Internet via the 2.4GHz band and simultaneously watch High-Definition (HD) video or any other multimedia application via 5GHz band. Furthermore, the WDRT-731U supports up to 300 + 300Mbps (download / upload) wireless transmission rate of 2.4GHz and 5GHz for various wireless applications. All the Gigabit Ethernet ports of the WDRT-731U offer ultra-fast wired connections as well. With its outstanding stability of high-speed wireless transmission, the WDRT-731U can provide users with excellent multimedia streaming with your mobile devices anywhere, anytime.



Easy Setup for Multiple Wireless Modes

The WDRT-731U supports multiple wireless modes including AP, Wireless Bridge and Repeater for different network applications. Furthermore, with the built-in Quick Setup function, users can configure the WDRT-731U easily and quickly through a couple of simple steps. It is so easy to apply the WDRT-731U to the existing wired network. The WDRT-731U definitely provides a total network solution for the home and the SOHO users.



Specifications

Product	600Mbps Dual Band 802.11n Wireless Gigabit Router	
Model	WDRT-731U	
Hardware Specification		
Interface	WAN Port	1 x 10/100/1000Mbps Auto MDI/MDI-X RJ45 port
	LAN Port	3 x 10/100/1000Mbps Auto MDI/MDI-X RJ45 ports (LAN 1~3)
	IPTV Port	1 x 10/100/1000Mbps Auto MDI/MDI-X RJ45 port (LAN 4)
	USB Port	USB 2.0, Type-A, 5V DC/0.5A Output
Antenna	Gain	2 x 5dBi fixed antenna
	Orientation	Omni-directional
Reset / WPS Button	Reset / WPS button at rear panel Press for 7 seconds to reset the device to factory default Press for 1 second to activate WPS function	
LED Indicators	PWR/SYS, WLAN (2.4G & 5G) x 2 WAN (Link & 1000Mbps) x 1 LAN (Link & 1000Mbps) x 3 IPTV (Link & 1000Mbps) x 1 USB, WPS	
Material	Plastic	
Dimension (W x D x H)	171.61 x 111.16 x 25.47 mm	
Weight	250g	
Power Requirement	12V DC, 1A	
Power Consumption	Maximum 8W	
Wireless Interface Specification		
Standard	Compliant with IEEE 802.11a/b/g/n	
Frequency Band	Simultaneous 2.4 GHz and 5 GHz	
	2.4G: 2.400-2.484GHz 5G: 5.180-5.240GHz, 5.745-5.825GHz	
Modulation Type	DSSS (DBPSK / DQPSK / CCK) OFDM (BPSK / QPSK / 16-QAM / 64-QAM) MIMO	
Data Rates	802.11n: (20MHz): up to 144.4Mbps (40MHz): up to 300Mbps 802.11g: 6/9/12/24/36/48/54Mbps 802.11b: 1/2/5.5/11Mbps 802.11a: 6/9/12/24/36/48/54Mbps	
Transmission Distance	Indoor up to 100m Outdoor up to 300m (Depends on the environment)	
Channel	2.4GHz America / FCC: 2.412~2.462GHz (11 Channels) Europe / ETSI: 2.412~2.472GHz (13 Channels) Japan / TELEC: 2.412~2.484GHz (14 Channels) 5GHz 5.180-5.240GHz, 5.745-5.825GHz (Up to 9 channels) The actual channels in application will vary depends on the regulation in different regions and countries.	
Channel Width	20/ 40MHz	
RF Power / EIRP (Intentional Radiator)	2.4GHz 802.11b: 17±1dBm 802.11g: 14.5±1.5dBm 802.11n: 12.5±1.5dBm	5GHz 802.11a: 12±1.5dBm 802.11n: 12±1.5dBm
Receive Sensitivity	2.4GHz 802.11b (11Mbps): -84dBm 802.11g (54Mbps): -68dBm 802.11n 20M (MCS7): -66dBm 802.11n 40M (MCS7): -63dBm	5GHz 802.11a (54Mbps): -68dBm 802.11n 20M (MCS7): -66dBm 802.11n 40M (MCS7): -63dBm
Wireless Management Features		
Wireless Modes	<ul style="list-style-type: none"> ■ AP (Access Point) ■ WDS PtP (Point to Point) ■ WDS PtMP (Point to Multipoint) ■ WDS+AP (Repeater) 	
Encryption Security	WEP (64/128-bit) WPA-PSK (TKIP) / WPA2-PSK (AES) WPA (TKIP) / WPA2 (AES)	
Wireless Security	Provides wireless LAN ACL (Access Control List) filtering Wireless MAC address filtering Supports WPS (Wi-Fi Protected Setup)	

Max. Supported Clients	Wire: 15 Wireless: 10
Wireless Advanced	Supports Dual-SSID (2.4G & 5G) AP Isolation: Able to isolate each connected wireless client from each other to access mutually Supports 802.11e WMM (Wi-Fi Multimedia)
Router Features	
Internet Connection Type	Shares data and Internet access for users, supporting the following internet access: <ul style="list-style-type: none"> ■ Dynamic IP ■ Static IP ■ PPPoE ■ PPTP ■ L2TP ■ PPPoE Dual Access
Firewall	NAT firewall Built-in NAT server which supports Virtual Server, and DMZ Built-in firewall with IP address filtering, Port filtering, URL filtering, and MAC address filtering
Routing Protocol	Static Routing
LAN	Built-in DHCP server supporting static IP address distributing Supports UPnP, Dynamic DNS Supports Packets Statistics IP-based Bandwidth Control Session Number: Max. 8000
System Management	Web-Based (HTTP) management interface Remote management (WAN Access Control) SNTP time synchronize System Log
OS Compatibility	Windows 7 Windows Vista Windows XP Mac OS X 10.4 and higher
Compatible Printers	
HP	Officejet j4660 Photosmart B110a LaserJet P1008 LaserJet 1200 Series PCL5 (HP Universal Printer Driver PCL 5) LaserJet 3015 PCL 5e DeskJet D 1468 series
CANON	PIXMA IP2780 PIXMA MP190 Inkjet IP1100
EPSON	LQ-300K+ / Me 350
Standards Conformance	
IEEE Standards	IEEE 802.11n IEEE 802.11a IEEE 802.11g IEEE 802.11b IEEE 802.11i IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T
Others Protocols and Standards	CSMA/CA, CSMA/CD, TCP/IP, DHCP, ICMP, NAT, PPPoE, SNTP
Environment & Certification	
Temperature	Operating: 0 ~ 40 degree C Storage: -40 ~ 70 degree C
Humidity	Operating: 10 ~ 90% (non-condensing) Storage: 5 ~ 90% (non-condensing)
Regulatory	FCC, CE, RoHS, WEEE

Ordering Information

WDRT-731U	300Mbps Dual-Band 802.11n Wireless Gigabit Router
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Related Products

WNL-U554	802.11n Wireless USB 2.0 Adapter
WNL-U554A	802.11n Wireless USB 2.0 Adapter External 3dBi Antenna
WNL-U554M	802.11n Micro Wireless USB 2.0 Adapter
WNL-U556M	300Mbps 802.11n Wireless Micro USB Adapter
WDL-U700	300Mbps Dual-Band 802.11n Wireless USB Adapter
WNL-9501	802.11n Wireless PCI Express Adapter

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