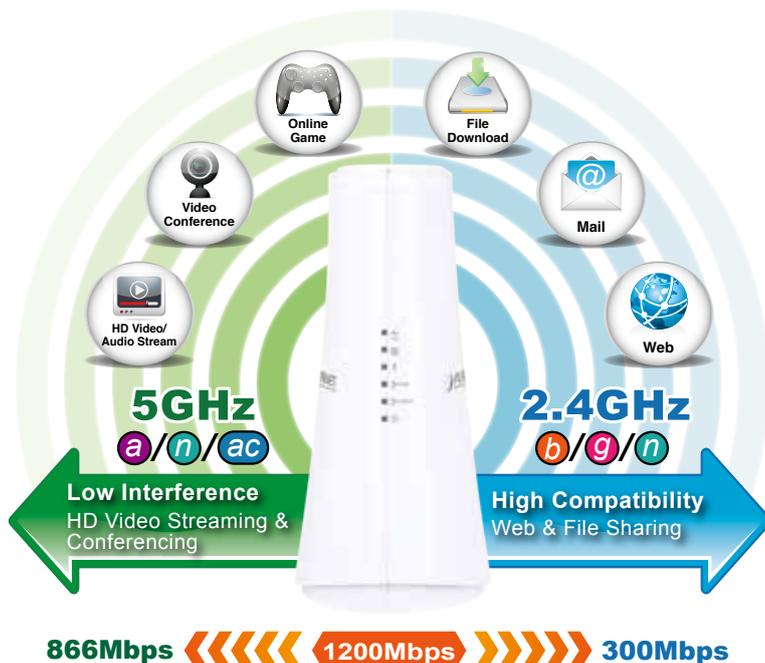


1200Mbps 802.11ac Dual-Band Wireless Gigabit Router



Amazing, Next-Generation Wireless High-Speed Connection

PLANET WDRT-1200AC Wireless Broadband Router supports IEEE 802.11a/b/g/n/ac standard, dual band technology and Gigabit LAN and WAN, meaning it can provide the wireless speed up to 866Mbps in the 5GHz frequency band and 300Mbps in the 2.4GHz frequency band at the same time, which is 16 times faster than that of the traditional 11g access point. With its outstanding stability of high-speed wireless transmission and enhanced reliability, the WDRT-1200AC can provide users with excellent multimedia streaming through their mobile devices anywhere, anytime in the home and office.



IEEE Compliant Wireless LAN & Wired LAN

- Compliant with IEEE 802.11a/b/g/n/ac dual band (2.4GHz & 5GHz) wireless technology capable of up to 300 + 866Mbps data rate
- Equipped with all Gigabit RJ-45 ports (10/100/1000Mbps) like 1 WAN and 4 LAN ports, and auto MDI/MDI-X

Fixed-network Broadband Router

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

Comprehensive Wireless Advanced Features

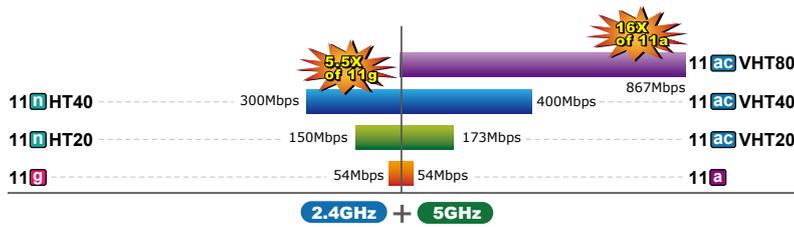
- Supports dual Wireless Modes: AP Router and WDS Repeater
- Supports dual-SSID to allow users to access different networks through one single AP
- Supports WMM (Wi-Fi Multimedia) and wireless QoS to enhance the efficiency of multimedia application
- Supports IAPP (Inter Access Point Protocol) and, Wireless roaming to enable clients to roam across different wireless networks
- Supports 4-level Transmitting Power Control to adapt various environments
- Supports wireless schedule to automatically enable or disable the wireless function based on predefined schedule.
- TX Beamforming technology improves the wireless coverage, throughput and reliability

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, Port / URL-based access control and MAC address filtering

2.4GHz and 5GHz 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-1200AC provides users with the radio frequency of 5GHz for watching HD videos or playing online games additionally. At the same time, it enables other users to surf the Internet via the original radio frequency of 2.4 GHz. The WDRT-1200AC is just like 2 totally independent Access Points in one device for you.



WDRT-1200AC Data Transmission Rates 1200Mbps

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
- Off-line download, USB storage and DLNA combination, convenient HD media sharing

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

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 WDRT-1200AC fully employs the full functionality of the 802.11ac wireless standards, eliminating the bottleneck of the transmission speed of the megabit wired type. Using the WDRT-1200AC to connect your desktop, NAS, media player and game console guarantees extremely high throughput and excellent signal quality.

Home DLNA Media Server over USB File Sharing

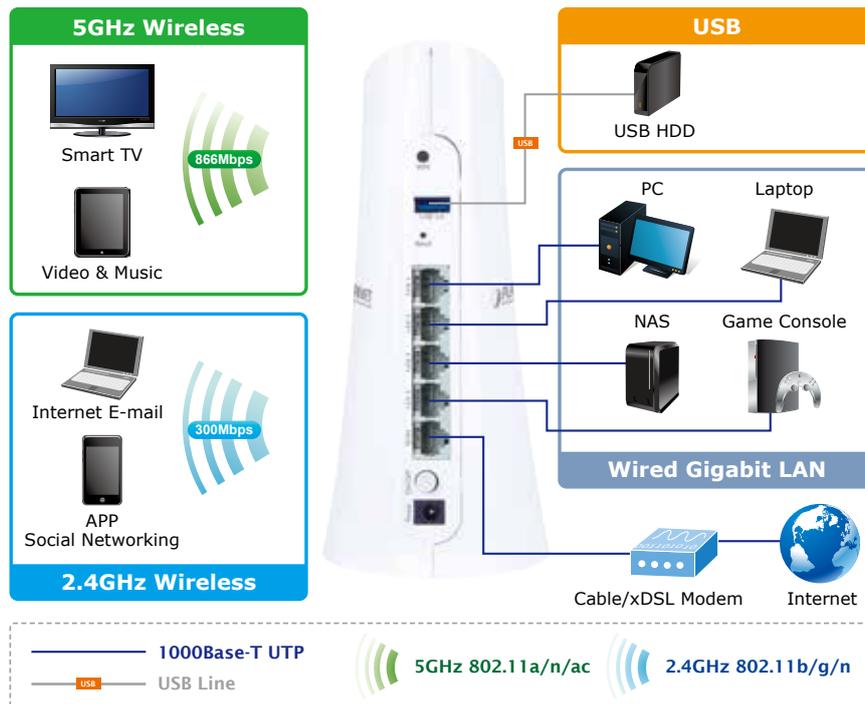
The WDRT-1200AC is built-in with one USB port which can be connected to an external USB storage devices for file sharing. Moreover, the DLNA (Digital Living Network Alliance) compliant media server feature allows multimedia contents, such as stream videos, music and photos, to be easily shared among SmartTVs, tablets, mobile phones and laptops on a home network. Thus, all clients on the network can share mass storage through the WDRT-1200AC without complicated network configuration. Via the USB port, it also can output 5V DC power to charge any USB compliant devices.



Applications

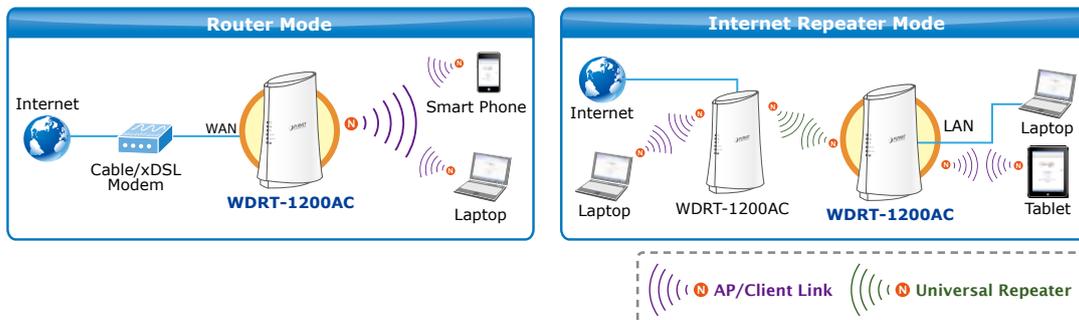
Experience the Real High-Speed Wireless Connection

PLANET WDRT-1200AC delivers 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 the 5GHz band. Furthermore, the WDRT-1200AC supports wireless transmission rate up to 866Mbps in the 5GHz frequency band and 300Mbps in the 2.4GHz frequency band for various wireless applications. With its outstanding stability of high-speed wireless transmission, the WDRT-1200AC can provide users with excellent multimedia streaming through their mobile devices anywhere, anytime.



Easy Setup for Multiple Wireless Modes

The WDRT-1200AC supports multiple wireless modes including Router and Repeater for different network applications. Furthermore, with the built-in Quick Setup function, users can configure the WDRT-1200AC quickly through a couple of simple steps. It is so easy to apply the WDRT-1200AC to the existing wired network. The WDRT-1200AC definitely provides a total network solution for the home and SOHO users.



Specifications

Model	WDRT-1200AC 1200Mbps 802.11ac Dual-Band Wireless Gigabit Router	
Hardware Specifications		
Interface	WAN Port	1 x 10/100/1000 Mbps Auto MDI/MDI-X RJ45 port
	LAN Port	4 x 10/100/1000 Mbps Auto MDI/MDI-X RJ45 ports (LAN1~4)
	USB Port	1 x USB 3.0, Type A, 5V 900mA
Antenna	Gain	2.4GHz : 2 x 1.8dBi Internal Antenna 5GHz : 2 x 3.8dBi Internal Antenna
Button	1 x Reset button (Press for about 10 seconds to reset the device to factory default.) 1 x WPS button (Press for 1 second to activate WPS function.)	
LED Indicators	PWR x 1 WLAN (2.4GHz & 5GHz) x 2 WAN x 1 WPS x 1	
Material	Plastic	
Dimensions (W x D x H)	192 x 115 x 90 mm	
Weight	308g	
Power Requirement	12V DC, 2A	
Power Consumption	12W maximum	
Wireless interface Specifications		
Standard	IEEE 802.11ac (Draft 2.0) 5GHz IEEE 802.11a/n 5GHz IEEE 802.11b/g/n 2.4GHz	
Frequency Band	Simultaneous 2.4 GHz and 5 GHz	
Modulation Type	802.11ac: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) 802.11a/g/n: OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11b: DSSS (DBPSK / DQPSK / CCK)	
Data Rates	2.4GHz up to 300Mbps 5GHz up to 866Mbps	
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 depending on the regulation in different regions and countries	
Channel Width	802.11ac: 20/40/80MHz 802.11n: 20/ 40MHz	
RF Power / EIRP	2.4GHz: 11b: 17±1.5dBm 11g: 14±1.5dBm 11n: 14±1.5dBm	5GHz: 11a: 14±1.5dBm 11n: 14±1.5dBm 11ac: 13±1.5dBm
Receive Sensitivity	2.4GHz: 11b (11Mbps): -79dBm 11g (54Mbps): -70dBm 11n (20M) mode: -67dBm 11n (40M) mode: -64dBm	5GHz: 11a: -70dBm 11n (20M) mode: -67dBm 11n (40M) mode: -64dBm 11ac (20M) mode: -57dBm 11ac (40M) mode: -54dBm 11ac (80M) mode: -51dBm
Transmit Power Control	25%, 50%, 75%, 100%	
Wireless Management Features		
Wireless Modes	Router WDS Repeater	
Encryption Security	WEP (64/128-bit) WPA / WPA2 WPA-PSK/ WPA2-PSK encryption	
Wireless Security	Provides Wireless LAN ACL (Access Control List) filtering Wireless MAC address filtering Supports WPS (WiFi Protected Setup)	
Wireless Advanced	Supports Dual-SSID (2.4GHz & 5GHz)	
Max. Supported Clients	Wire: 64 Wireless: 128	
Router Features		

Internet Connection Type	Shares data and Internet access for users, supporting the following Internet accesses: <ul style="list-style-type: none"> ▪ DHCP ▪ Static IP ▪ PPPoE ▪ PPTP ▪ L2TP
Firewall	NAT firewall, SPI firewall Built-in NAT server which supports Virtual Server, and DMZ Built-in firewall with URL filtering, and MAC address filtering
LAN	Built-in DHCP server supporting static IP address distribution Supports UPnP, Dynamic DNS Supports Packets Statistics Session Number: Max. 7776
USB Sharing	Samba FTP Server DLNA Media Server
System Management	Web-based (HTTP) management interface Remote management (WAN Access Control) SNTP synchronization Supports Scheduling Reboot System Log and e-mail events notification
OS Compatibility	Windows 7 / Windows 8 Windows Vista Windows XP Mac OS X 10.4 or later
Standards Conformance	
IEEE Standards	IEEE 802.11ac (Draft 2.0, 2T2R, up to 867Mbps) IEEE 802.11n (2T2R, up to 300Mbps) 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
Other Protocols and Standards	CSMA/CA, CSMA/CD, TCP/IP, DHCP, ICMP, NAT, PPPoE, SNTP
Regulatory	CE, RoHS, WEEE
Environment	
Temperature	Operating: 0 ~ 45 degrees C Storage: -40 ~ 70 degrees C
Humidity	Operating: 10 ~ 90% (non-condensing) Storage: 5 ~ 90% (non-condensing)

Ordering Information

WDRT-1200AC	1200Mbps 802.11ac Dual-Band Wireless Gigabit Router
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Related Product

WDL-U600AC	433Mbps Dual-band 802.11ac Wireless USB Adapter
WDRT-750AC	750Mbps Dual-band 802.11ac Wireless Router
WDAP-733AC	750Mbps Dual-band 802.11ac Universal WiFi Repeater
WNL-U554A	802.11n Wireless USB 2.0 Adapter External 3dBi Antenna
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

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

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WDRT-1200AC