

# 1200Mbps **802.11ac** Wireless Gigabit Router

**WDRT-1200AC**



# Presentation Outlines

- ◆ **Product Position**
- ◆ **Product Overview**
- ◆ **Product Benefits**
- ◆ **Product Features**
- ◆ **Applications**
- ◆ **Web UI**
- ◆ **Appendix**



# Product Position

## PLANET *Indoor Wireless Router Series*

**11ac**  
**Dual Band**  
**600Mbps**  
**300Mbps**  
**2T2R 2.4G**  
**150Mbps**  
**1T1R 2.4G**

### 11ac Dual Band Wireless Broadband Router

- 11ac, 1T1R
- 2.4G/5GHz
- 300+433Mbps

**WDRT-750AC**



### 11ac Dual Band Wireless **Gigabit** Router

- 11ac, 2T2R, dual band
- **USB 3.0**
- 300 + 867Mbps

**WDRT-1200AC**



**New**

### 11n Dual Band Wireless Gigabit Router

- 11a/b/g/n, 2T2R
- 2.4G/5GHz
- USB / IPTV port

**WDRT-731U**



### 11n Wireless Router

- 5dBi fix antenna

**WNRT-627**



### 11n Wireless Router

- 5dBi antenna
- Gigabit LAN

**WNRT-633**



### 11n Wireless Router

- 5dBi fix antenna

**WNRT-617**



**Fast Ethernet**

**Gigabit Ethernet**



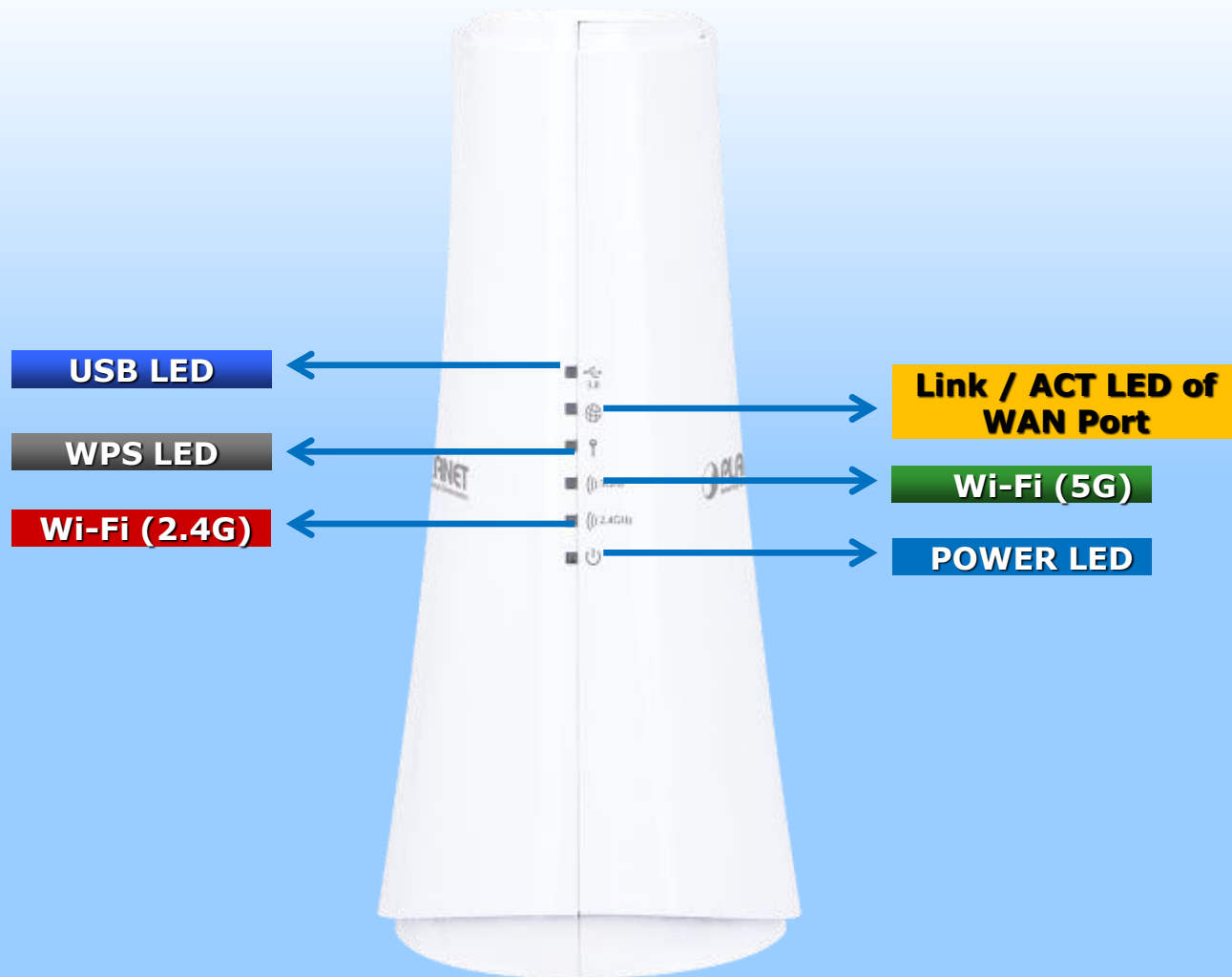
# Product Overview

- ◆ Dimensions: 192 x 115 x 90mm (H x W x D)
- ◆ Weight: 308g
- ◆ Power: 12V DC, 2A



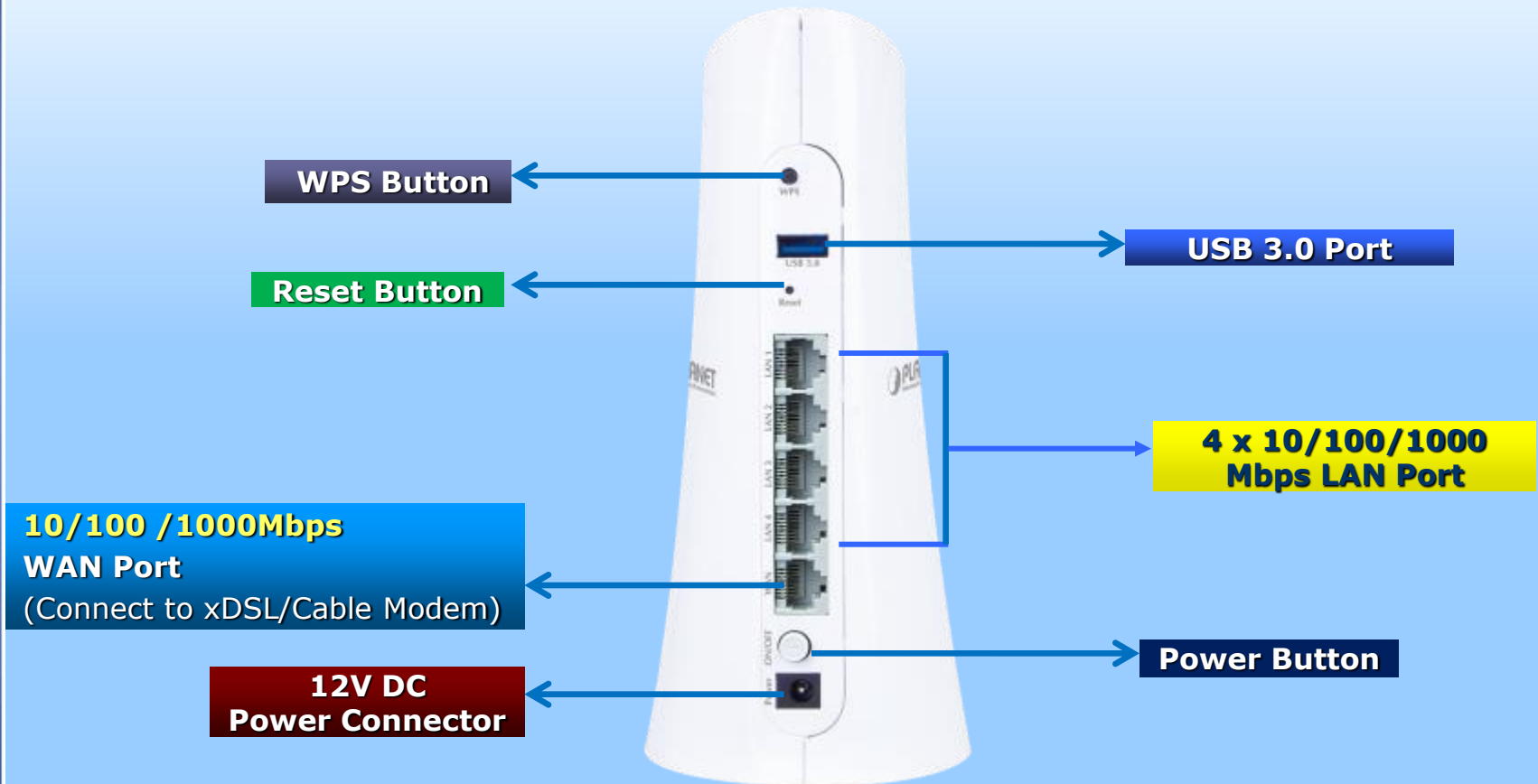
# Product Overview

## ◆ Front Panel – LED Indication



# Product Overview

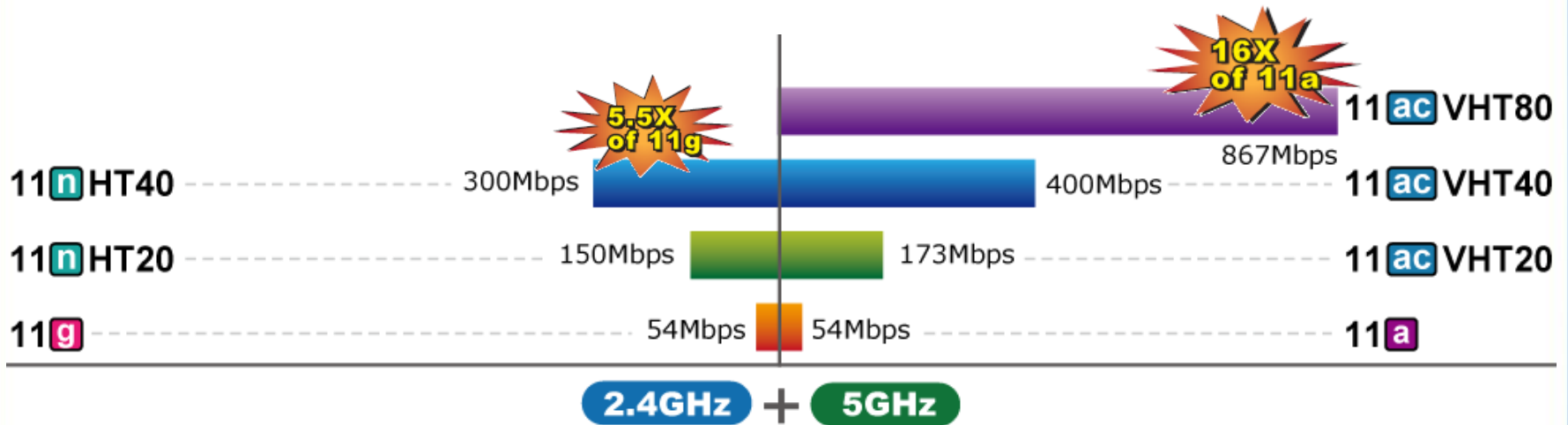
## ◆ Rear Panel - Interfaces



# Product Overview

## ◆ Next-generation 11ac Dual Band

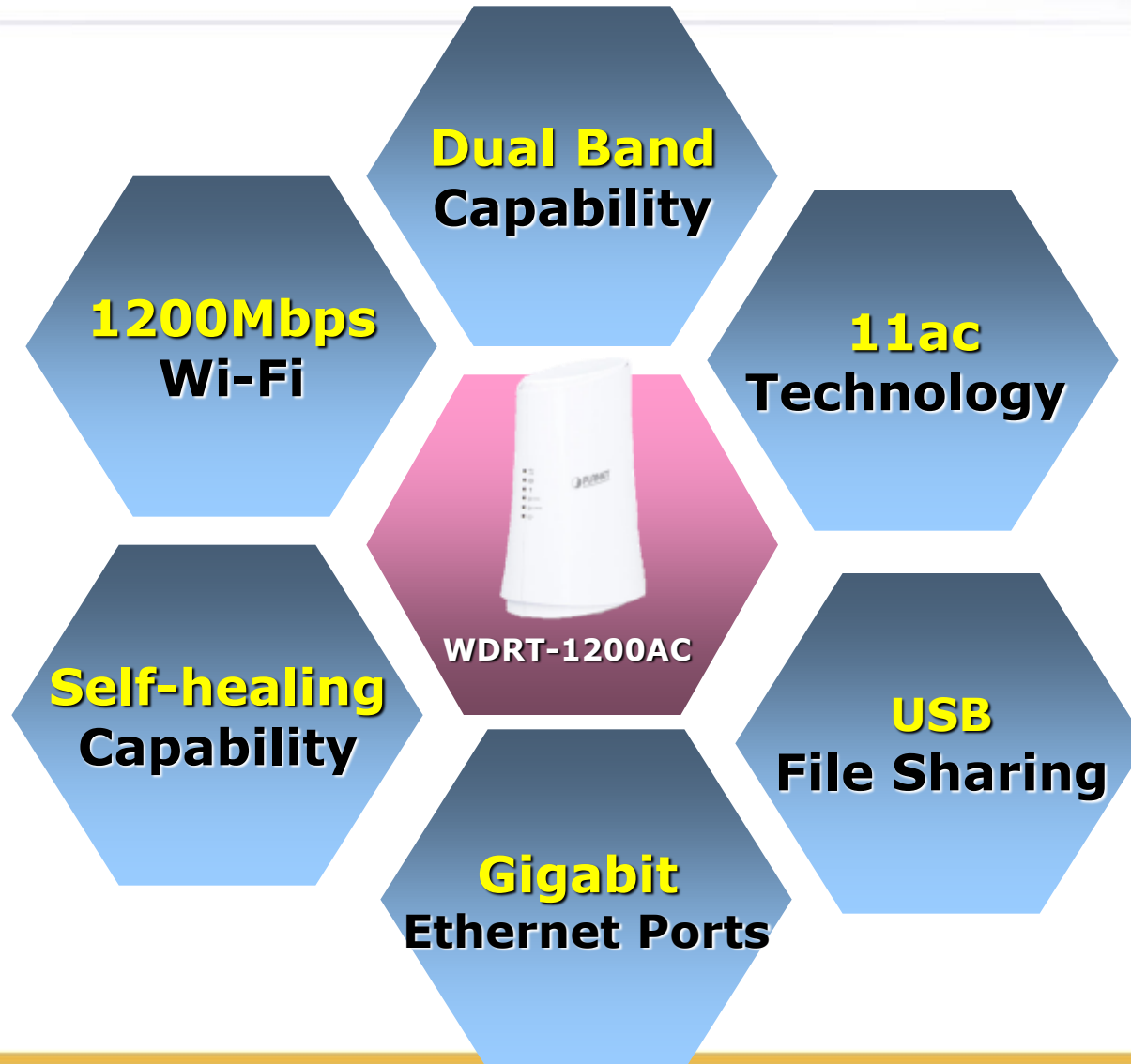
- ✓ Compliant with **IEEE 802.11a/b/g/n /ac** dual-band (2.4G & 5G) wireless technology
- ✓ Wireless data rate up to **300 + 867Mbps** data rate



WDRT-1200AC Data Transmission Rates

**1200Mbps**

# Product Benefits





# Product Benefits

## ◆ 11ac Next-generation Wireless Connectivity

- ✓ Supports **IEEE 802.11a/b/g/n/ac Dual Band** standard with **2T2R MIMO** antenna technology; therefore, it can provide the wireless speed up to **1200Mbps (867+300)** which is **16 times** faster than the 11a router and **5.5 times** faster than the 11g router.

## ◆ 2.4G & 5G Simultaneous Dual Band Wireless Connectivity

- ✓ **To avoid the wireless interference between 2.4GHz Wireless applications**, the WDRT-1200AC provides users with the radio frequency of 5GHz for watching HD videos or playing online games additionally.

## ◆ Easy Setup for Multiple Wireless Modes

- ✓ The WDRT-1200AC supports multiple wireless modes including **AP Router** and **WDS Repeater** for different network applications.

# Product Benefits

## ◆ Gigabit Ethernet Connectivity

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

## ◆ Home DLNA Media Server over USB File Sharing

- ✓ Easy for file sharing and fast to charge mobile devices with **USB 3.0 port.**
- ✓ Built-in **DLNA Media Server** allows DLNA-enabled devices to share and stream multimedia files over home network.
- ✓ The increased **Gigabit wired** and **11ac wireless** speeds accommodate streaming high-quality multimedia files.

# Product Benefits – *2.4G/5GHz Dual Band*

## The Internet Applications



**5GHz**

**a / n / ac**



**2.4GHz**

**b / g / n**



**866Mbps**

**1200Mbps**

**300Mbps**

# Product Benefits – 5GHz Band

## ◆ 5GHz Wireless Connection

- ✓ More free channels, **less interference**, **better connections**
- ✓ Up to 22 non-overlapping channels (will vary based on the regulation in different regions)

**5GHz**

More non-overlapping channels




**2.4GHz**

Only **3**

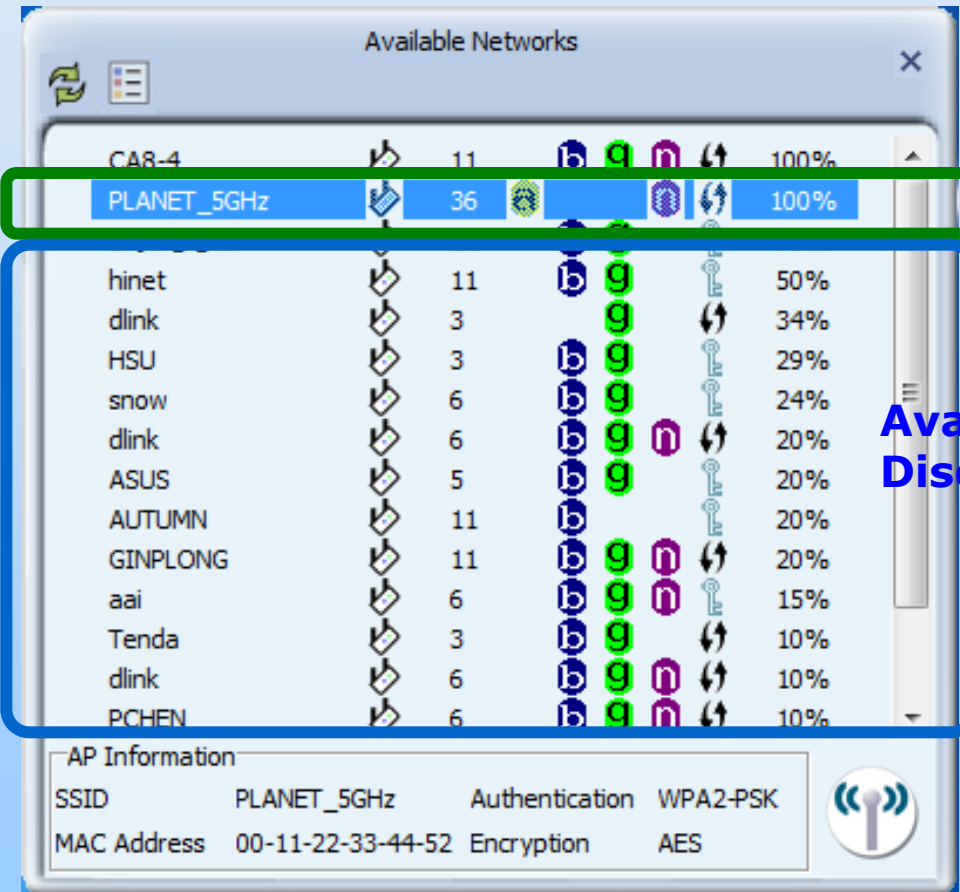
non-overlapping channels



 = Wireless Interference

# Product Benefits – 5GHz Band

- ◆ Real Wireless Signal scan ...



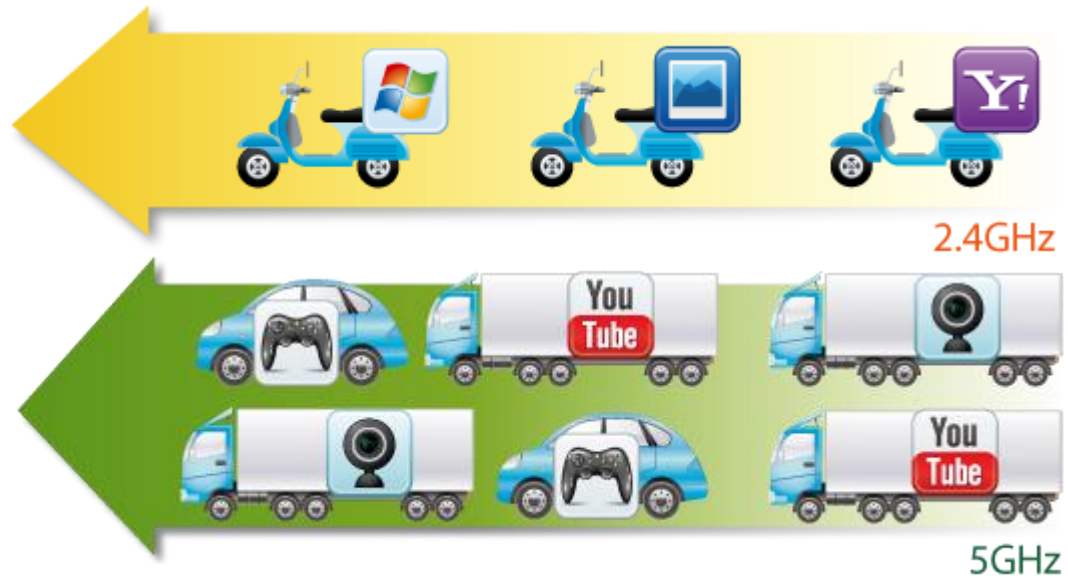
**5GHz**  
Wi-Fi Signal

SSID	Icon	Ch	Sec	Auth	Signal
CA8-4	🔒	11	📶	🔑	100%
PLANET_5GHz	🔒	36	📶	🔑	100%
hinet	🔒	11	📶	🔑	50%
dlink	🔒	3	📶	🔑	34%
HSU	🔒	3	📶	🔑	29%
snow	🔒	6	📶	🔑	24%
dlink	🔒	6	📶	🔑	20%
ASUS	🔒	5	📶	🔑	20%
AUTUMN	🔒	11	📶	🔑	20%
GINPLONG	🔒	11	📶	🔑	20%
aai	🔒	6	📶	🔑	15%
Tenda	🔒	3	📶	🔑	10%
dlink	🔒	6	📶	🔑	10%
PCHEN	🔒	6	📶	🔑	10%

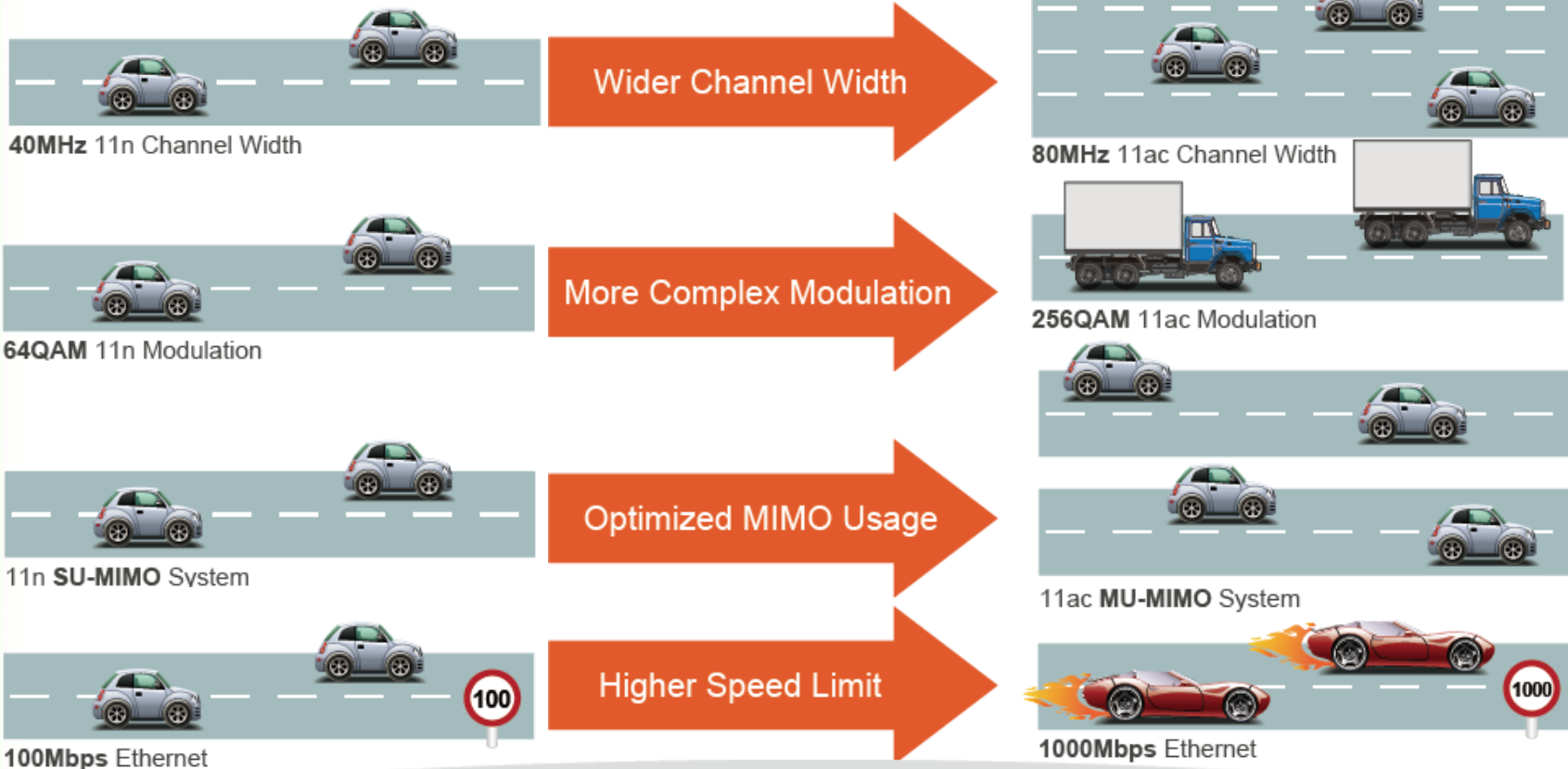
Available Wireless Discovery... **2.4GHz** Wi-Fi Signal

And just Wi-Fi, not including wireless mouse, Bluetooth, cordless phone...

# Product Benefits – *5GHz Band*



# Product Benefits – 11ac Wi-Fi & Giga LAN



## Go faster in wired & wireless

Take Advantage of 11ac to Optimize Data Link Speed

## Product Benefits – **USB3.0** Port



Easy to share Storage via USB **Anywhere!**



# Product Features

- ◆ **Fixed-network Broadband Router**
  - ✓ **WAN types:**
    - Dynamic IP
    - Static IP
    - PPPoE
    - L2TP / PPTP
  - ✓ **Supports Port Triggering, UPnP, Virtual Server, VPN Passthrough**

# Product Features

## ◆ Secure Network Connection

- ✓ Supports **Wi-Fi Protected Setup (WPS)**
- ✓ Advanced security:
  - 64/128-bit WEP
  - WPA/WPA2
  - WPA-PSK/WPA2-PSK(TKIP/AES encryption)
- ✓ Supports Grouping-based Security Filtering **Port, URL and MAC Filtering**

## Product Features – WPS Easy Setup

### WPS (Wi-Fi Protected Setup) – Quick and Easy Wireless Connection

#### ◆ Step 1

- ✓ In the Wireless Client, click the WPS Physical Hardware button or Software button on the adapter utility.



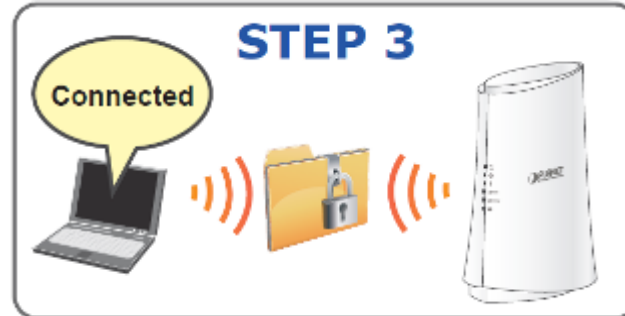
#### ◆ Step 2

- ✓ In the WDRT-1200AC, press the **WPS Hardware button** on the rear panel for about 2 minutes.



#### ◆ Step 3

- ✓ Wait till it is connected.

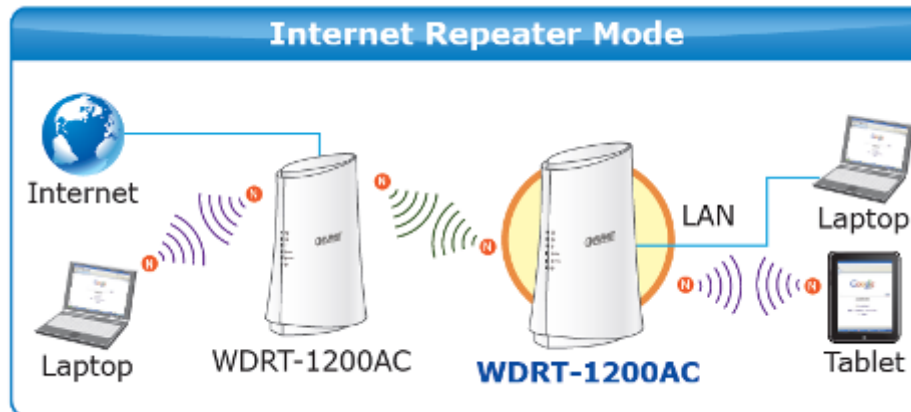
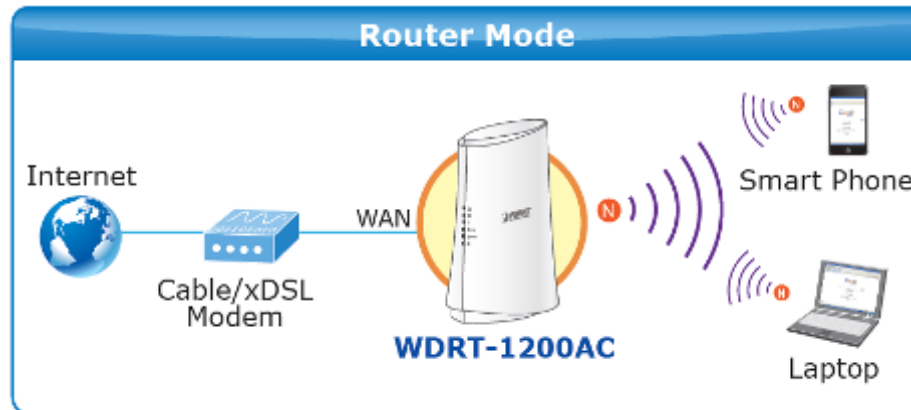


# Product Features

- ◆ **Multiple Wireless Network Technologies for Greater Access**
  - ✓ **Multiple Wireless Modes:**
    - AP Router
    - WDS Repeater
  - ✓ **Two 3.8 dBi internal (for 5GHz band) and two 1.8 dBi internal (for 2.4GHz band) antennas provide better RF coverage and reduce the dead spot indoors.**

# Product Applications

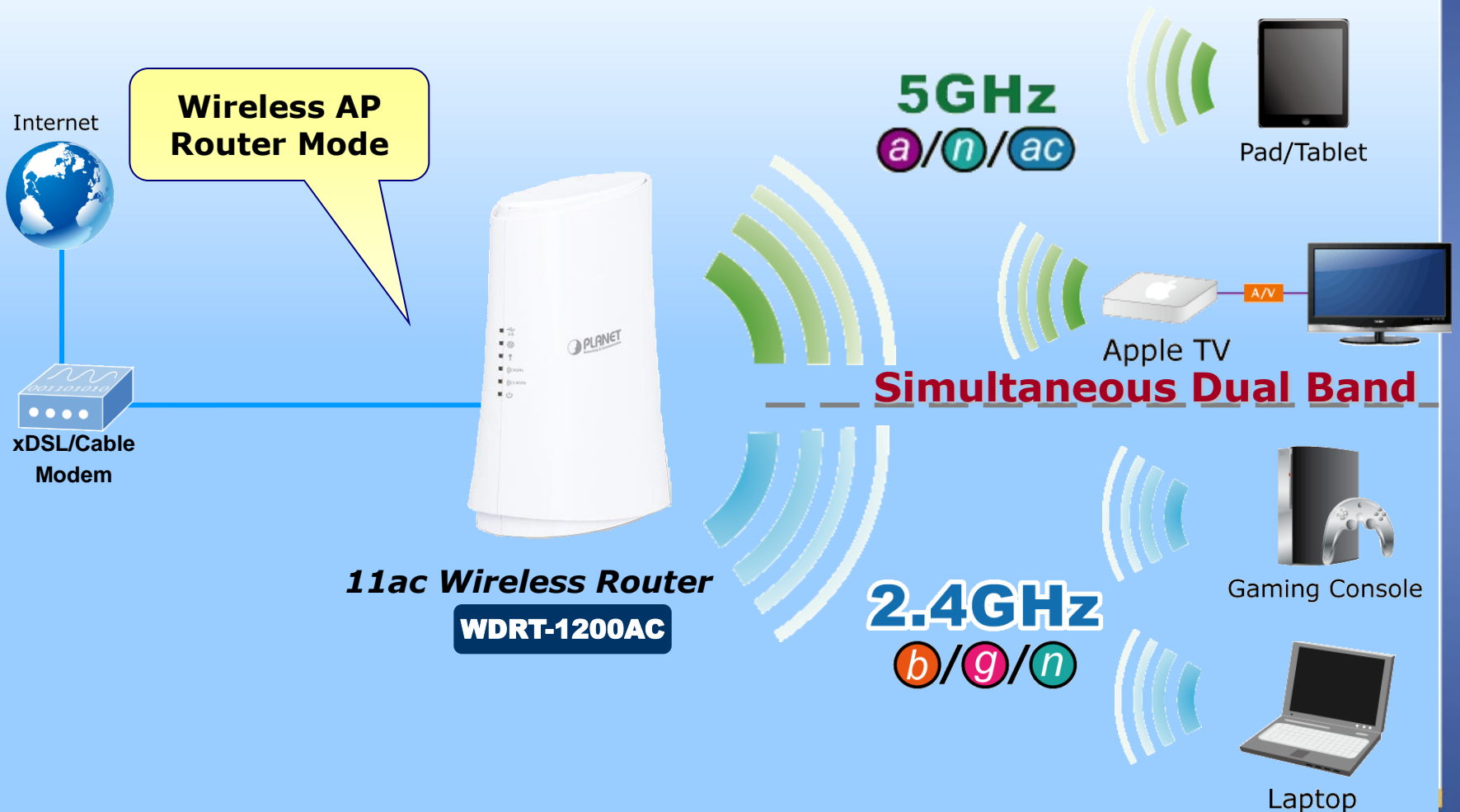
- ◆ Various applications in your network environment



# Wireless Mode

## ◆ Wireless Access Point

- ✓ Acts as a central hub for wired / wireless LAN and connects to the Internet





# Wireless Mode

## ◆ WDS Repeater Mode in 2.4GHz

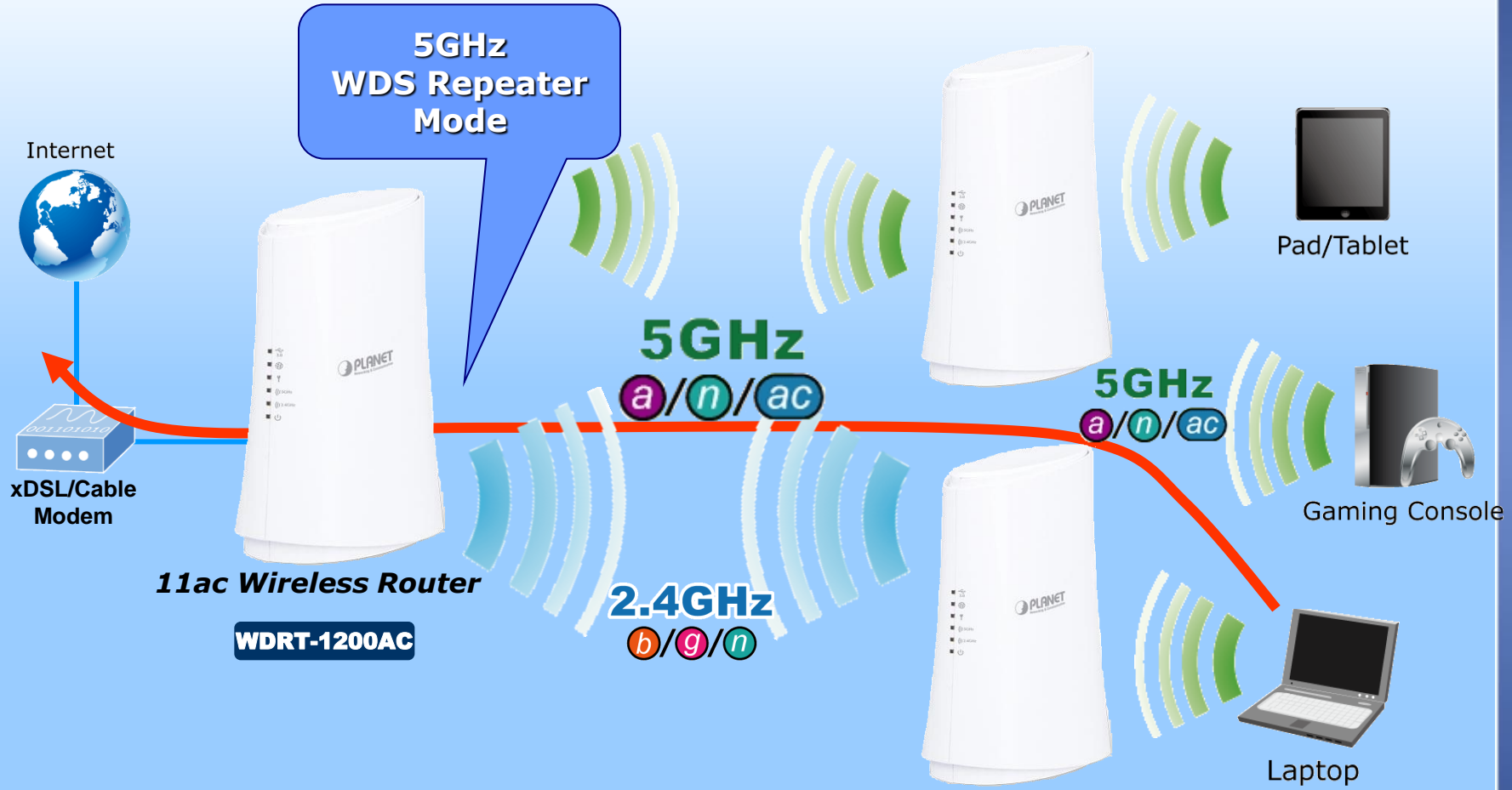
- ✓ Bridges two or three APs and provides access for wireless clients at the same time





# Wireless Mode

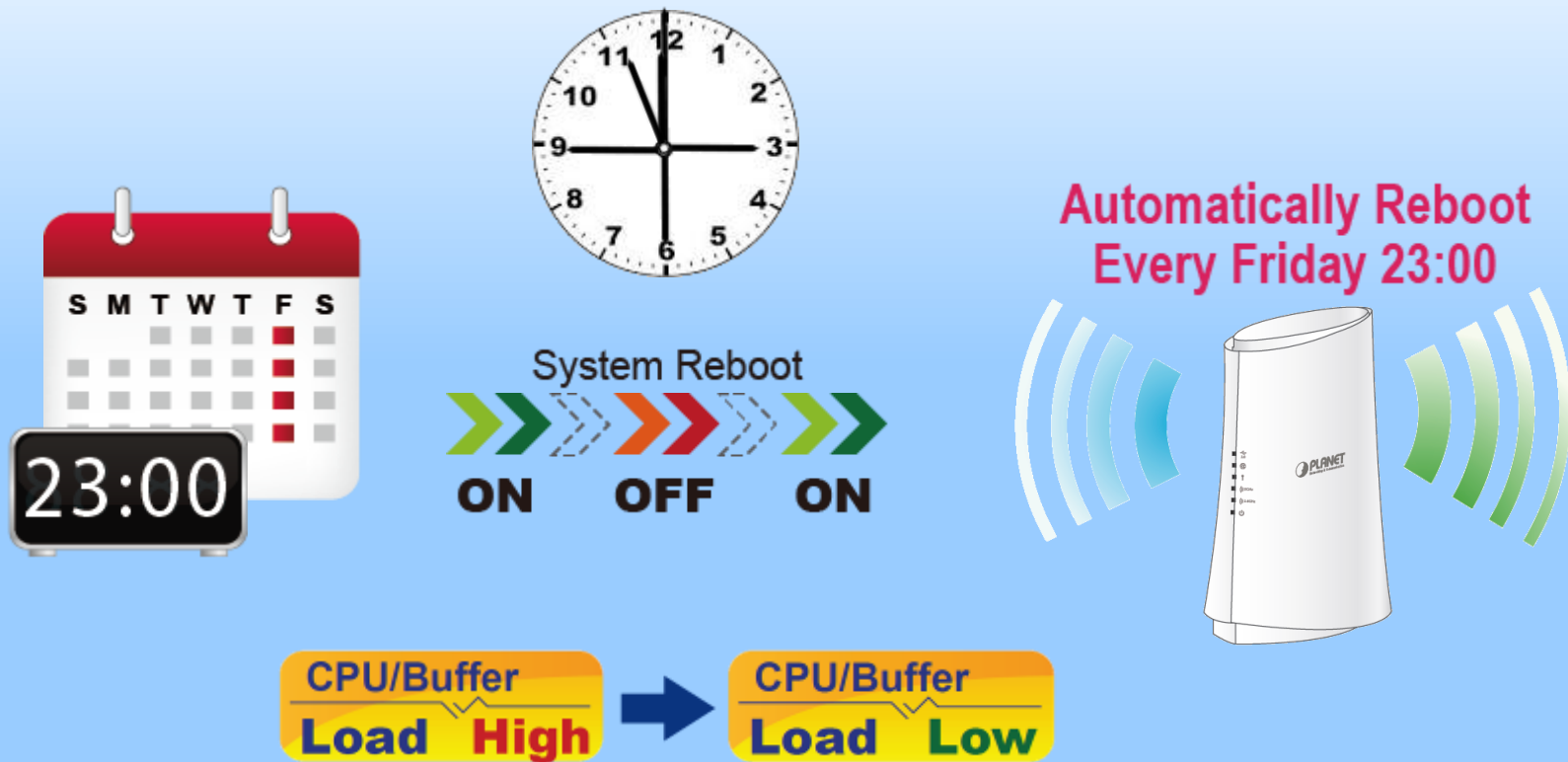
## ◆ WDS Repeater Mode in 5GHz





# Product Feature – Self-healing

- ◆ **Self-healing: auto-reboot by schedule**



# Product Features – **Wireless Schedule**



# Product Features

- ◆ **Advanced Networking function for Specific Application**
  - ✓ Supports **Multiple Bandwidth Control (QoS)** based on different local IP addresses and ports
  - ✓ Supports **NTP, Virtual Server, Port Triggering** and **DMZ** for various networking applications
  - ✓ Supports DHCP Server
  
- ◆ **Easy Installation & Management**
  - ✓ Web-based UI for and Quick setup for easy configuration
  - ✓ System status monitoring includes DHCP Client and System Log

# 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 applications via the 5GHz band.**

# Applications

**5GHz Wireless**

Smart TV  
Video & Music

866Mbps




Internet E-mail  
APP  
Social Networking

300Mbps

**2.4GHz Wireless**



# Comparison

Model	WDRT-1200AC	WDRT-750AC	WDRT-731U
Picture			
Ethernet Port	5 x 10/100/ <b>1000Mbps</b> (1 WAN / 4 LANs)	5 x 10/100Mbps (1 WAN / 4 LANs)	5 x 10/100/ <b>1000Mbps</b> (1 WAN / 4 LANs)
Wireless Interface	<b>802.11a/b/g/n/ac</b>	<b>802.11a/b/g/n/ac</b>	802.11a/b/g/n
Wireless Antenna	2.4GHz : 2 x 1.8dBi Internal Antenna 5GHz: 2 x 3.8dBi Internal Antenna	2.4GHz : 2 x 2.5dBi Internal Antenna 5GHz: 1 x 3.8dBi Internal Antenna	2 x <b>5dBi fixed</b> Antenna
Wireless speed	<b>300+867Mbps</b>	300+433Mbps	300+300Mbps
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
WAN Types	Dynamic IP Static IP PPPoE PPTP L2TP	Dynamic IP Static IP PPPoE PPTP L2TP	Dynamic IP Static IP PPPoE PPTP L2TP <b>Russia PPPoE (Dual-Access)</b>
Wireless Mode	AP, WDS Repeater	AP, Universal Repeater	AP, WDS PTP, WDS PTMP, Repeater (WDS+AP)
Access Control	IP address/URL/ MAC filtering	IP address/ URL/ MAC filtering	IP address/ <b>Port</b> / URL/ MAC filtering
Virtual Server	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>
Port Triggering	<b>Yes</b>	<b>Yes</b>	No
Static Routing	<b>Yes</b>	No	<b>Yes</b>
DDNS	<b>Yes, it supports Planet DDNS</b>	Yes	<b>Yes, it supports Planet DDNS</b>
DLNA /FTP /Samba	<b>Yes</b>	No	No



# Appendix

## ◆ Related Products – Wireless Adapter

<p><b>WDL-U600AC</b></p>		<p>802.11ac Dual Band Wireless USB Adapter</p>
<p><b>WDL-U700</b></p>		<p>300Mbps 802.11n Dual Band Wireless USB Adapter</p>
<p><b>WNL-U556M</b></p>		<p>300Mbps 802.11n Micro Wireless USB Adapter</p>
<p><b>WNL-U554A</b></p>		<p>150Mbps 802.11n Wireless USB Adapter w/External 2dBi Antenna</p>
<p><b>WNL-9501</b></p>		<p>150Mbps 802.11n Wireless PCI Express Adapter</p>



# **ACTIVATING IP POWER**