

# AC1200

## Wireless Dual Band Router

### 802.11ac/a/b/g/n

Model No. A850R

A850R is a Dual Band Wireless AC Router which is quite cost-effective and high performance device for network activities. It complies with the next generation WiFi standard - 802.11ac. With the leading edge technology and dual-band ability, it delivers high-speed up to 300Mbps on 2.4GHz and 867Mbps on 5GHz, which can make high bandwidth-consuming applications like video streaming to be more smooth. So it is ideal for large file transferring, HD video streaming and online gaming. Plus, A850R has many practical functions such as Multi-SSID, WPS function, WDS, etc.



### Features

- Complies with 802.11ac/a/b/g/n standards.
- Delivers 300Mbps data rate on 2.4GHz and 867Mbps on 5GHz simultaneously.
- Advanced MIMO technology ensure greater range and increasing throughput.
- Supports DHCP、 Static IP、 PPPoE、 PPTP and L2TP broadband functions.
- Supports dual access while WAN type is PPPoE, PPTP or L2TP.
- Provides 64/128-bit WEP, WPA, WPA2 and WPA/WPA2 (TKIP+AES) security.
- Connects to secure network easily and fast using WPS.
- Supports IP, MAC, URL filtering and Port Forwarding.
- Universal repeater and WDS make WiFi extension simple.

### Specifications

Hardware	
<b>Interface</b>	- 4 *100Mbps LAN Ports - 1 *100Mbps WAN Port
<b>Power Supply</b>	- 12V DC / 1A
<b>Button</b>	- 1 *RST Button - 1*WPS Button
<b>LED Indicators</b>	-1 *Power, 1 *CPU, 1 *5G Wireless, 1 *2.4G Wireless, 4 *LAN, 1 *WAN
<b>Antenna</b>	- 2 *5dBi Fixed Antennas (2.4G),2 *5dBi Fixed Antenna (5G)
<b>Environment</b>	- Operating Temperature: 0 °C ~50 °C (32 °F ~122 °F) - Storage Temperature: -20~65 °C (-4°F ~149 °F) - Operating Humidity: 10%~90% non -condensing - Storage Humidity: 5%~95% non -condensing
Wireless	
<b>Standards</b>	- IEEE 802.11ac, IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
<b>RF Frequency</b>	- 2.4GHz/5GHz
<b>Data Rate</b>	- 2.4GHz: Up to 300M bps - 5GHz: Up to 867M bps
<b>Wireless Security</b>	- 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK (TKIP/AES)
<b>Output Power</b>	- 20dBm (Max.)
<b>Channels</b>	- 2.4GHz: 1-11 (North America), 1-13 (General Europe), 1-14 (Japan) - 5GHz: China/America:5745-5805, Europe:5500-5700, Brazil:5180-5805
<b>Modulation Type</b>	- DBPSK, DQPSK, CCK and OFDM (BPSK, QPSK, 16-QAM/64-QAM)
<b>Reception Sensitivity</b>	- 270M: -64 dBm@10% PER - 135M: -61 dBm@10% PER - 54M: -68 dBm@10% PER - 11M: -85 dBm@8% PER - 6M: -88 dBm@10% PER - 1M: -90 dBm@8% PER

Software	
<b>Status</b>	<ul style="list-style-type: none"><li>- System Status</li><li>- Statistics</li><li>- System Log</li></ul>
<b>Setup Wizard</b>	<ul style="list-style-type: none"><li>- Setup Wizard</li></ul>
<b>Quick Setup</b>	<ul style="list-style-type: none"><li>- Quick setup</li></ul>
<b>TCP/IP Settings</b>	<ul style="list-style-type: none"><li>- LAN Interface</li><li>- WAN Interface: DHCP Client, Static IP, PPPoE, PPTP and L2TP</li><li>- VLAN Settings</li></ul>
<b>Wireless</b>	<ul style="list-style-type: none"><li>- Basic Settings (including Band, Mode, SSID, Multiple APs, etc.)</li><li>- Security Settings</li><li>- Site Survey</li><li>- WDS</li><li>- Advanced Settings</li><li>- Access Control</li><li>- WPS</li><li>- Schedule</li></ul>
<b>Route Setup</b>	<ul style="list-style-type: none"><li>- Static Route</li><li>- Routing Table</li></ul>
<b>Firewall</b>	<ul style="list-style-type: none"><li>- IP Filtering</li><li>- Port Filtering</li><li>- MAC Filtering</li><li>- URL Filtering</li><li>- Port Forwarding</li><li>- DMZ</li><li>- Denial - of - Service</li><li>- NAT Mapping</li></ul>
<b>Management</b>	<ul style="list-style-type: none"><li>- Upgrade Firmware</li><li>- Save/Reload Settings</li><li>- Web Login Password</li><li>- TR - 069 config</li><li>- Date and Time</li><li>- Reboot Router</li><li>- Reboot Schedule</li></ul>
<b>Advanced</b>	<ul style="list-style-type: none"><li>- DDNS</li><li>- QoS</li><li>- Operation Mode</li><li>- SSH Server</li></ul>