



>> RP-WA7800

Wireless 802.11a/b/g Dual-Band Access Point

RP-WA7800 Wireless 11a/b/g Dual-Band Access Point can be accessed in all three 802.11 wireless networks. RP-WA7800 contains two separate wireless connectivity radio transceivers, which support all three popular wireless networking specifications. One of the two transceivers uses 2.4GHz frequency band and supports both wireless 802.11b and 802.11g, which offers up to 11Mbps and 108Mbps data rate respectively. The other transceiver uses 5GHz frequency band and supports wireless 802.11a, also at 54Mbps. Since two radio waves operate in different frequency bands, they can work simultaneously and cover your wireless zone with high-speed performance. In terms of security, RP-WA7800 offers up to 152-bit WEP Encryption. It also includes the MAC address filtering, which allows you to assign the Internet Access to those you want to. The configuration and installation is made to be simple and fast following the web browser-based setup wizard.

Features

- Supports all 802.11a, 802.11b and 802.11g networks
- Wireless link speeds up to 108Mbps
- MAC address Filtering and enhanced 128-bit WEP Encryption
- Web-based management and easy setup wizard
- Provide High performance universal wireless network connectivity
- Ideal for multi-media data transmission with high speed wireless performance
- Easy and fast installation and setup
- WDS: AP, Bridge, P2P & P2MP Repeater, and AP Client
- Atheros XRTM extended range technology

Specification

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| Standards | <ul style="list-style-type: none">• IEEE 802.11a 802.11b and 802.11g for WLAN |
| Interface | <ul style="list-style-type: none">• Ethernet LAN: One 10/100Base-T Ethernet switch port (auto sensing)• LED Indicators: LED x4: Power, LAN, 11a link/Act, 11g link/Act• Detachable Antenna: 802.11a: 2dBi (Peak Gain), 802.11b/g: 2dBi (Peak Gain)• Reset Button: Reset to default setting (hold the reset button after 6 sec) |
| Frequency Bands | <ul style="list-style-type: none">• 802.11a : US:UNI-Band 5.15~5.35GHz EU:UNI-Band 5.15~5.35GHz UNI-Band 5.47~5.725GHz• 802.11b/g : ISM-Band 2.412~ 2.4835GHz |
| Modulation Tech | <ul style="list-style-type: none">• 802.11a/g: OFDM• 802.11b: CCK,DQPSK, DBPSK |
| Media Access Protocol | <ul style="list-style-type: none">• CSMA/CA with ACK |
| Transmit Power | <ul style="list-style-type: none">• 802.11a: Max 16dBm@16QAM R3/4• 802.11g: Typ. 16dBm@Normal Temp Range• 802.11b: Typ. 18dBm@Normal Temp Range |
| Receive Sensitivity | <ul style="list-style-type: none">• 802.11a: 6Mbps 10-5 BER @ -91dBm; 54Mbps 10-5BER @ -72dBm; 108Mbps 10-5BER @ -69dBm• 802.11g: 11 Mbps 10-5 BER @ -85dBm; 54 Mbps 10-5 BER @ -72dBm; 108Mbps 10-5BER @ -69dBm |
| Data Rates | <ul style="list-style-type: none">• 802.11b: 11Mbps, 5.5Mbps, 2Mbps, 1Mbps, auto fallback• 802.11g & 802.11a: 108, 54, 48, 36, 24, 18, 12, 9, 6 Mbps |
| Operating Range | <ul style="list-style-type: none">• 802.11b: up to 300m (Outdoor), 35-60m (Indoor)• 802.11g: up to 50m (Outdoor), 20m (Indoor)• 802.11a: up to 300m (open space), 100m (indoor)* The performance various depend on environment. |
| Protocol Support | <ul style="list-style-type: none">• TCP/IP, IPX, NetBEUI |
| Management | <ul style="list-style-type: none">• Built-in HTTP Server for setup and remote management via any browser |
| Security | <ul style="list-style-type: none">• Up to 64bit/128/152-bit WEP & WPA, 802.1x Radius Client |

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| | <ul style="list-style-type: none">• MAC address filtering |
| Operating mode | <ul style="list-style-type: none">• AP, AP Client, Repeater, P2P & P2MP Bridge |
| Power Supply | <ul style="list-style-type: none">• External power Adapter DC 5V, 2.5A |
| Environment | <ul style="list-style-type: none">• Operating Temperature: 0°C ~ 40°C• Operating Humidity: 10% ~ 95% (Non-Condensing) |
| Dimension | <ul style="list-style-type: none">• 195 * 160 * 27mm |
| Certifications | <ul style="list-style-type: none">• FCC, CE |

Application

ORDERING INFORMATION

RP-WA7800 Wireless 802.11a/b/g Dual-Band Access Point