# RTA04W

# ADSL2+ 11b/g HOME GATEWAY
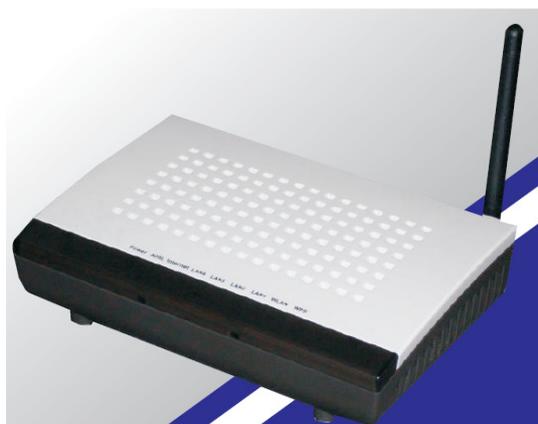


*Technical Datasheet*

## 1. Introduction

The RTA04W is a router with wireless local area network (WLAN) function. It is a high integrated residential broadband access device, which provides one ADSL2+ RJ11 interface, four built-in Ethernet interfaces, and one wireless access point. The RTA04W is fully compliant with ADSL/2/2+ standards. The Ethernet interface complies with IEEE802.3/802.3u standards, and the WLAN interface complies with IEEE802.11b/g standards. This device provides high performance access to Internet, downstream up to 24Mbps and upstream up to 1Mbps.

Computers on the LAN side can share the Internet access through the Ethernet interface or wireless access point. These local computers can communicate and share resources and files with each other when the RTA04W is connected to the Internet with DSL line.

- Support up to 8 permanent virtual circuits (PVCs)
- Provide one RJ11 interface and four built-in RJ45 interfaces
- IGMP Snooping and IGMP Proxy
- General IP: NAT, PAT, DHCP server, DHCP relay, and DNS relay
- Routing: Static routing, RIP V1 and V2
- Security: NAT, IP filtering, password authentication, and denial of service (DoS)
- Compatible with IEEE 802.11b and IEEE 802.11g

## 2. Application

This device can provide high access performance applications for individual users, SOHOs, and small enterprises. Specific applications can be:

- Broadband Internet access sharing
- Higher data rate broadband sharing
- Audio, video streaming, and transfer
- PC file and application sharing
- Network and online gaming

## 3. Technical Specifications and features

| Product Specification of RTA04W | | | |
|---|---|---|---|
| **Model** | RTA04W | | |
| **Product Name** | 54M Wireless 802.11b/g ADSL2+ Router | | |
| **Physical Specifications** | **User Interface** | RJ45 | 4 |
| | | RJ11 | 1 |
| | | Reset button | 1 |
| | | Power Jack | 1 |
| | | On/Off Switch | 1 |
| | | WPS/WiFi button | 1 |
| | **Dimensions (W×D×H)** | 170 * 120 * 33 mm | |
| **Features** | **Protocol Feature** | RFC 1483 Bridge<br><br>IEEE 802.1D transparent bridging<br><br>Bridge Filtering<br><br>RFC 1483 Router<br><br>RIP 1 & 2 supported<br><br>DHCP (RFC1541) Server, Relay<br><br>Network Address Translation (NAT)/ Network Address Port<br><br>Translation (NAPT)<br><br>DNS relay<br><br>IGMP v1 and v2 | |
| | **ADSL Feature** | Support ANSI T1.413 Issue2<br><br>Support ITU G.992.1 (G.dmt) Annex A<br><br>Support ITU G.992.2 (G.lite) Annex A<br><br>Support ITU G.992.3 ADSL2 (G.dmt.bis) Annexs A, L, M | |

| | | Support ITU G.992.4 ADSL2 (G.lite.bis) |
| :--- | :--- | :--- |
| | | Support ITU G.992.5 ADSL2 plus |
| | **Ethernet Feature** | Fully compliant with IEEE802.3/802.3u auto-negotiation function |
| | | Support 10 base-T and 100 base-TX |
| | | Support half duplex and full duplex |
| | | Support back pressure flow control for half duplex, IEEE802.3x |
| | | flow control for full duplex |
| | | Support MDI/MDIX auto cross |
| | Security | Support firewall function |
| | | Support revised passwords of two-level users |
| | | Support electronic signature (preventing different types of versions from upgrading each other) |
| | | Support denial of service (DoS ) which detects and protects against a number of attacks (such as SYN/FIN/RST Flood, Smurf, WinNuke, Echo Scan, Xmas Tree Scan) |
| | Management | Support Web and TFTP modes for local and long-distance version upgrade |
| | | Support test estate of circuitry connect (diagnostics) |
| | | Support settings in the Web interface |
| | | Support Telnet CLI command line |
| | | Support user setting the reset function: hardware reset or Web interface mode |
| | | Support configuration files backup and restoration |
| | | Support modifying IP address of the LAN interface |
| | | Support system log |
| | | Support SNMP V1/V2C local and long-distance |

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|---|---|---|
| | | control (MIB II<br><br>RFC1213/ADSL line MIB RFC 2662 ATM MIB RFC 2515)<br><br>Support SNTP enactment<br><br>Support TR069 |
| **Wireless** | **Standards** | IEEE 802.11g, 802.11b |
| | **Frequency range** | 2.400-2.4835GHz (ISM frequency bands) |
| | **Wireless signal rates** | 802.11b compliant: 11, 5.5, 2, 1 Mbps (DSSS/CCK);<br><br>802.11g compliant: 54, 48, 36, 24, 18, 12, 9, 6 Mbps (OFDM) |
| | **Wireless operating range** | Transmission Distance: 300 meters outdoors, 100 meters indoors coverage area (varying depending on the actual environment.) |
| | **Wireless security** | 64/128-bit WEP, AES, TKIP, WPA, WPA2, 802.1x |
| | **Antenna** | Single external antenna |
| **Power** | **Input/Output** | Input power: 100-240 V DC, 50/60Hz<br><br>Output power: 12 V DC/800mA(min) |
| **Environment** | **Operating Temperature** | 0℃~50℃ |
| | **Storage Temperature** | -20ºC~70ºC |
| | **Operating Humidity** | 5%~95%, non-condensing |
| | **Storage Humidity** | 5%~95%, non-condensing |