

Bridging Features

- ▣ Supports self-learning bridge specified in IEEE 802.1D Transparent Bridging
- ▣ Supports up to 4000 learning MAC addresses
- ▣ Transparent Bridging between 10/100 Mb Ethernet and 802.11b wireless LAN

Routing Features

- ▣ UPnP IGD² (Internet Gateway Device) with NAT traversal capability support
- ▣ NAT (Network Address Translation) / PAT (Port Address Translation) let multiple users on the LAN to access the internet for the cost of only one IP address.
- ▣ ALGs (Application Level Gateways): such as NetMeeting, FTP, Quick Time, mIRC, Real Player, CuSeeMe, etc.
- ▣ Multiple Virtual Servers (e.g., Web, FTP, Mail servers) can be setup on user's local network.
- ▣ Static routes, RFC1058 RIPv1, and RFC1723 RIPv2
- ▣ DNS Relay and DNS Server³
- ▣ ARP Proxy

Security Features

- ▣ PAP (RFC1334), CHAP (RFC1994) for PPP session
- ▣ Firewall support IP packets filtering based on IP address/Port number/Protocol type.
- ▣ ⁴Intrusion Detection provides protection from a number of attacks (such as SYN/FIN/RST Flood, Smurf, WinNuke, Echo Scan, Xmas Tree Scan, etc)
- ▣ WEP (Wired Equivalent Privacy) encryption uses RC4 with 64/128 bit key length

Configuration and Management

- ▣ User-friendly embedded web configuration interface with password protection
- ▣ Remote management access control
- ▣ Telnet session for local or remote management
- ▣ HTTP firmware upgrades via web browser GUI directly
- ▣ Distribute IP addresses to end users via DHCP server provided by ADSL router
- ▣ SNMPv1/v2 agent with MIB-II, PPP MIB, ADSL Line MIB

Hardware

Interface

- ▣ One RJ-11 port for ADSL connection
- ▣ One RJ-45 port for IEEE 802.3u 10/100 Base-T auto-sensing Ethernet connection
- ▣ Hidden PCMCIA interface for IEEE 802.11b (2.4 GHz) wireless LAN connection
- ▣ One hidden button for restoration of factory default settings

² This is optional. UPnP IGD and NAT Traversal function can be provided on demand.

³ This is optional. DNS server can be provided on demand.

⁴ This is optional. Intrusion Detection can be provided on demand.

RTA040W0D32 ADSL Router

RTA040W0D32 Wireless ADSL Router is a DSL broadband access device which allows ADSL connectivity while providing wireless LAN capabilities for home or office users. It provides a downstream rate of up to 8 Mbps and upstream rate of up to 1 Mbps for ADSL connection, even offers auto-negotiation capability for different flavors (G.dmt, G.lite, or T1.413 Issue 2) according to central office DSLAM's settings (Digital Subscriber Line Access Multiplexer). Also the feature-rich routing functions are seamlessly integrated to ADSL service for existing corporate or home users. Now users can enjoy various bandwidth-consuming applications via RTA040W0D32 Wireless ADSL Router.

Software

ADSL Compliance

- ANSI T1.413 Issue 2
- ITU G.992.1 Annex A (G.dmt)
- ITU G.992.2 Annex A (G.lite)
- ITU G.994.1 (G.hs)

Wireless LAN Features

- Fully compatible to IEEE 802.11b standard and allow operating range up to 300 meters (open space) and 100 meters (indoor).
- The Direct Sequence Spread Spectrum (DSSS) technology is exploited.
- Seamless roaming within the 802.11 and 802.11b wireless LAN infrastructure
- Low power consumption via efficient power management
- Support the Association Control function: Only registered wireless clients can be allowed to associate to wireless ADSL router.

ATM Features

- Compliant to ATM Forum UNI 3.1 / 4.0 Permanent Virtual Circuits (PVCs)
- Support up to 8 AAL5 Virtual Circuit Channels (VCCs) for UBR, CBR, VBR-rt, and VBR-nrt with traffic shaping
- TR-037 Autopvc provisioning¹
- RFC1483 (RFC2684) LLC Encapsulation and VC Multiplexing over AAL5
- RFC2364 Point-to-Point Protocol (PPP) over AAL5
- RFC2225 Classical IP and ARP over ATM
- RFC2516 PPP over Ethernet: support Relay (Transparent Forwarding) and Client functions
- OAM F4/F5 End-to-End/Segment Loopback Cells

¹ This is optional. TR-037 Autopvc provisioning can be provided on demand.

Regulatory Approvals and Compliance

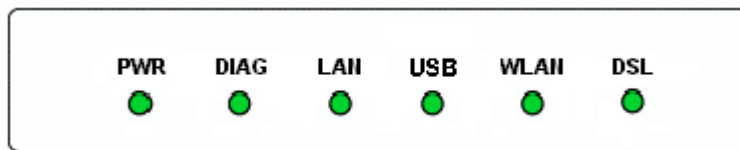
- EMI/Immunity: FCC part 15 and part 68 Class B
- Safety: UL, CE

Power Requirement and Operation Environment Requirement

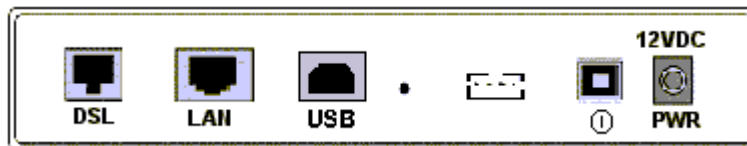
- Power Adaptor: Input 110 ± 10 or 230 ± 10 VAC; Output 12 VDC, 1A
- Power Consumption: less than 10 Watt
- Ambient Temperature: 0 to 45°C (32 to 113°F)
- Relative Humidity: 20% to 90% (non-condensing)

Physical

- Front Panel: 5 LEDs



- Back Panel



- Dimensions: 215mm (L) x 160mm (W) x 40mm (H)
- Weight: 600g

FCC Caution

1. The device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:
 - (1) This device may not cause harmful interference.
 - (2) This device must accept any interference received, including interference that may cause undesired operation.
2. FCC RF Radiation Exposure Statement: The equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.
3. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
4. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.