Dynalink
ADSL Modem/Router/Switch

Ethernet & USB Interfaces with Security Firewall Features

RTA770 & RTA770W

WIRELESS LAN OPTION
IEEE802.11g
(RTA770W ONLY)
INTEGRATED WLAN FOR INTERNET SHARING

FEATURES

> 10/100 Mbps **4 port switch** built in
> Packet filter Firewall with NAT
> VPN passthrough
> Online all the time - no waiting for dialup
> Browse the Internet and talk on the phone at the same time
> Highspeed online gaming
> Streaming Video
> Includes FREE ADSL Microfilter
> ACA and NZ approved

TWO MODELS AVAILABLE

> RTA770
> RTA770W with WLAN

Highspeed internet now

Dynalink

Get Connected.

Technical Specifications

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)
- Support dying gasp

ATM

- PPPoA (RFC 2364) and PPPoA Bridged mode
- PPPoE (RFC 2516) and PPPoE Bridged mode
- MER or MAC Encapsulation Routing
- IPoA (RFC 2225)
- Bridged mode over AAL5 (RFC2684/1483)
- ATM Forum UNI 3.1 / 4.0 compliant PVCs
- UBR and CBR with traffic shaping
- OAM F4/F5 loopback cells

Bridging

- IEEE 802.1d self-learning bridge
- Learning up to 4096 MAC addresses
- Transparent Bridging between 10/100 Mb Ethernet and USB

Routing

- NAT / PAT allows multiple users to share Internet access.
- UPnP IGD with NAT traversal capability.
- Port Mapping: the users can setup multiple virtual servers (e.g., Web, FTP, Mail servers) on user's local network.
- Static routing & dynamic routing RIPv1/v2.
- DNS Relay.
- DHCP server.
- ARP Proxy.

Supported Applications

- Application Level Gateways preset for Auth/Ident, DNS, FTP, PPTP, IPSEC, POP3, SMTP, SSH, TELNET, TFTP & WEB servers. Multiple Virtual Servers can be setup in local network.
- VPN passthrough
- NetMeeting, MSN Messenger, FTP, Quick Time, mIRC, Real Player, CuSeeMe, online gaming.

Security

- PAP & CHAP for PPP authentication
- Firewall based on incoming & outgoing filtering of IP address/Port number/Protocol type
- Ping blocking from WAN
- DMZ hosting

Configuration and Management

- Embedded web configuration interface with password protection
- Remote management control
- Telnet session for local or remote management
- System events logging
- DSL connection diagnostics
- Firmware upgrade via web browser
- User setting backup & restore

Hardware Interface

- One RJ-11 port for ADSL connection
- IEEE 802.g and IEEE 802.b Wireless LAN interface (RTA770W only)
- Four Ethernet ports for IEEE 802.3/802.3u 10/100 Base-T auto-sensing, auto cross-over
- One USB port compliant to USB v1.1
- One hidden reset button for restoring factory default settings

Chipset

- Broadcom BCM6345 single chip solution with embedded MIPS32 CPU

Wireless LAN Compliance Features (RTA770W only)

- Supports IEEE 802.11g and IEEE 802.11b

- Data Rates: 54, 48, 36, 24, 18, 12, 9, 6 Mbps for 802.11g and 11, 5.5, 2, 1 Mbps for 802.11b

- Network Architecture: infrastructure

- RF Output Power: 15dBm maximum

- Diversity antenna system: one external antenna and one internal antenna.

- Coverage Area:

  802.11g: LOS (Outdoors): Max. 50 meters; Indoors: Max. 20 meters

  802.11b: LOS (Outdoors): Max. 180 meters; Indoors: Max. 60 meters

- Power Consumption:

  TX peak: 550 mA @ 3.3 VDC;
  RX peak: 350 mA @ 3.3 VDC

  Idle: 225 mA @ 3.3 VDC;
  Radio disabled: < 10 mA @ 3.3 VDC

- Support WEP (Wired Equivalent Privacy) RC4 with 64-bit or 128-bit key length

- Support WPA, WPA-PSK, WPA-802.1X

- Support Access Control List, only registered WLAN clients are allowed.

- SSID stealthing.

Regulatory Approval and Compliance

- ACA

- Telecom New Zealand PTC270 (Telepermit application submitted)

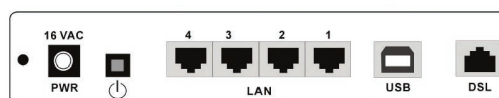### Power Requirement and Operation Environment Requirement

- Power Adaptor: 230±10 VAC; Output 16 VAC, 1A

- Power Consumption: less than 10 W

- Ambient Temperature: 0 to 45°C

- Relative Humidity: 20% to 90% (non-condensing)

Physical

- Front Panel: 9 LEDs (RTA770W), 8 LEDs (RTA770)

  | DSL | WLAN | USB | LAN4 | LAN3 | LAN2 | LAN1 | DIAG | PWR |

- Back Panel

  16 VAC — PWR — 4 3 2 1 — LAN — USB — DSL

- Dimensions: 179 mm(L) x 144 mm(W) x 55 mm(H)

- Weight: 407g