**ADSL2+ Wireless Modem Router**

**RTA1030W**

**FEATURES**

- Broadband Internet Access up to 24 Mbps
- Supports ADSL, ADSL2 and ADSL2+
- Simple Configuration
- Integrated 54 Mbps Wireless Access
- Wireless Security, WEP and WPA
- Single Ethernet Port for Internet Sharing
- Suitable for Home and Office Networks
- Security Firewall & DMZ
- VPN Passthrough
- Port Forwarding, UPnP™ and QoS
- Lifetime technical support

**Get Connected.**

[www.dynalink.co.nz](http://www.dynalink.co.nz)

NZ 0800 653 962
AUS 1800 063 962

12 MONTH WARRANTY
Technical Specifications (RTA1030W)

**ADSL Compliance**

ADSL
- 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
- Maximum Rate: 8 Mbps downstream and 1 Mbps upstream

ADSL2
- ITU G.992.3 Annex A (G.dmt)
- ITU G.992.4 Annex A (G.lite)
- Maximum Rate: 12 Mbps downstream and 1 Mbps upstream

ADSL2+
- ITU G.992.5 Annex A (G.dmt)
- Maximum Rate: 24 Mbps downstream and 1.2 Mbps upstream

**ATM**

- PPPoA (RFC 2364) and PPPoA Bridged mode
- PPPoE (RFC 2516) and PPPoE Bridged mode
- I PoA (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

**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
- SNMPv1/v2 agent with MIB-II, ADSL Line MIB

**Routing**

- NAT / PAT allows multiple users to share Internet access
- UPnP IGD with NAT traversal capability
- Port Forwarding: users can setup multiple virtual servers (e.g., Web, FTP, Mail servers) on the local network.
- Static routing & dynamic routing RIPv1/v2
- DNS Relay, Dynamic DNS
- DHCP Client/Relay/Server
- IGMP Proxy
- Support IP/Bridge QoS for different traffic classes
- Support IP/Bridge QoS to prioritise transmission of different traffic classes
- Support 802.1Q VLAN Tagging

**Security**

- PAP, CHAP, and MS-CHAP/CHAP2 for PPP authentication
- Firewall based on incoming & outgoing filtering of IP address/Port number/Protocol type
- Ping blocking from WAN
- DMZ hosting

**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.

**Bridging**

- IEEE 802.1d self-learning bridge
- Learning up to 4096 MAC addresses
- Transparent Bridging between 10/100 Mb Ethernet and USB
- Supports IGMP Snooping
- Supports 802.1Q VLAN packet pass-through
Technical Specifications (RTA1030W)

**Hardware Interface**
- One RJ-11 port for ADSL connection
- IEEE 802.11g and 802.11b Wireless LAN interface
- Single Ethernet port 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 BCM6348 single-chip ADSL2+ with integrated MIPS32 CPU, transceiver & Analog Front End
- Broadcom BCM4318 single-chip 802.11g wireless LAN solution

**Wireless LAN**
- Supports IEEE 802.11g and 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
- Diversity antenna system: one external antenna and one internal antenna
- Maximum RF output power: 18dBm for 802.11g
- Coverage Area:
  - 802.11g: LOS (Outdoors): Max. 50 meters; Indoors: Max. 20 meters
  - 802.11b: LOS (Outdoors): Max. 180 meters; Indoors: Max. 60 meters
- Support WEP (Wired Equivalent Privacy) RC4 with 64-bit or 128-bit key length
- Support Access Control List, only registered WLAN clients are allowed
- Support 802.1x, WPA-PSK, WPA, WPA2 & Mixed WAP/WPA2.

**Regulatory Approval and Compliance**
- ACA
- Telecom New Zealand PTC270

**Power Requirement and Operation Environment Requirement**
- Power Adaptor: Output 12 VAC, 1A
- Power Consumption: less than 10 W
- Ambient Temperature: 0 to 40°C
- Relative Humidity: 20% to 90% (non-condensing)

**Physical**
- Front Panel: 6 LED Indicators
- Back Panel

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