



WaveLink A2WM-G500R 802.11g Wireless MIMO ADSL2+ Router

Features:

- ITU-T G.992.1(G.dmt) and G.992.2 (G.lite) compliant for Annex A, B, ITU-T G.992.3, G.992.4 for ADSL2, ITU-T G.992.5 for ADSL2+
- Supports downstream and upstream data rates up to 24Mbps and 2Mbps
- Configuration and management operated via WWW browser with password protected access
- WAN and LAN side connection statistics
- Enhance Wireless coverage with MIMO Technology
- Supports MIMO Wireless, Compatibility with IEEE 802.11g and 802.11b (2.4GHz) standards
- Wireless security with WEP, WPA and WPA2
- All Ethernet ports support auto-crossover (MDI/MDI-X) - No need for crossover cables
- Compliant with IEEE 802.3 and IEEE 802.3u 10/100 Mbps
- Supports DMZ and Virtual Server function
- Provided operating modes include routing, bridge, static IP, PPPoE, PPPoA etc
- Firmware upgraded via FTP or HTTP

Specification:

ADSL Features

- Compatible with all leading DSLAMs
- Support DMT modulation and demodulation
- Support ITU-T G.992.1 G.992.3, G.992.4, G.992.5 Annex A
- ETSI TS 101 388 / DTS TM-06006 for Annex B
- Support ITU-T G.992.1 (G.dmt) Annex B – Deutsch Telecom / U-R2 for Annex B (U-R2)
- G.992.1 (G.dmt) : Downstream and upstream data rates up to 8Mbps and 1Mbps
- G.992.2 (G.Lite) : Downstream and upstream data rates up to 1.5Mbps and 512Kbps
- G.992.3 / G.992.4 (ADSL2) : Downstream and upstream data rates up to 12Mbps and 1Mbps
- G.992.5 (ADSL2+) : Downstream and upstream data rates up to 24Mbps and 2Mbps

ATM Features

- WAN Mode Support : PPP Over ATM (RFC-2364) and PPP Over Ethernet (RFC-2516)
- LAN Mode Support : Routed / Bridge Ethernet Over ATM (RFC-2684)
- Classical Internet Protocol Over ATM (RFC-1577)
- Support ATM SAR, ATM AAL5, ATM Forum UNI3.1 / 4.0 PVC
- Support 15 ATM VCs

Wireless Features

- Support IEEE 802.11g, 802.11b and MIMO XRTM Wireless Access Point
- Support 128-Bit and 64-Bit WEP encryption, WPA-PSK, WPA2-PSK, 802.1x
- 90 dB Rx Gain Range
- 16 dB Tx Gain Range

Management Features

- Firmware upgrade via HTTP
- Customize Web pages
- WAN and LAN side connection statistics
- Password protected access
- Selection of Bridge or Router Mode
- PPP user ID and password
- Configuration of VCs (Virtual Circuits)

Specification:

Physical Interfaces

- ADSL Modem / Router with four RJ-45 (10/100 Base-T) Ethernet port & an ADSL port
- ADSL Status, Power and switching hub LED indicators

Bridge Mode

- Ethernet to ADSL self-learning Transparent Bridging (IEEE 802.1D)
- Support up to 128 MAC learning addresses

Router Features

- DHCP Server and Client
- NAT (Network Address Translation)
- ICMP (Internet Control Message Protocol)
- IGMP (Internet Group Management Protocol)
- DDNS (Dynamic Domain Name Service)

Security Features

- Password protected configuration access
- User authentication (PAP / CHAP) with PPP

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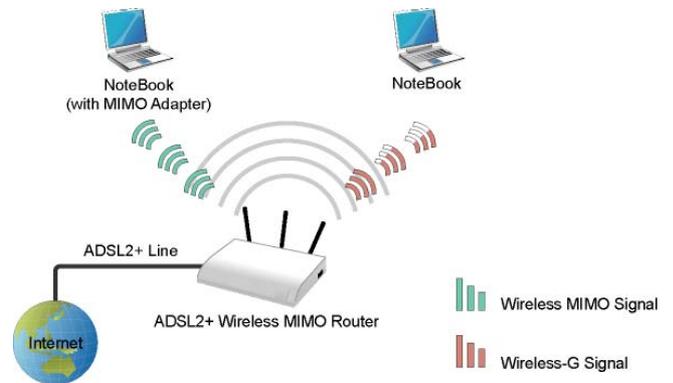
Ethernet Features

- Compliant with IEEE 802.3 and 802.3u 10/100 Mbps
- All Ethernet ports support auto-crossover (MDI/MDI-X)

Regulatory Approvals

- FCC Part 15 class B & Part 68
- CE Mark, EN 55022 ; EN 55024 ; EN 50081-1

Application Diagram:



Ordering Information:

A2WM-G500R : 802.11g Wireless MIMO ADSL2+ Router

* Product specification subject to change without notice.