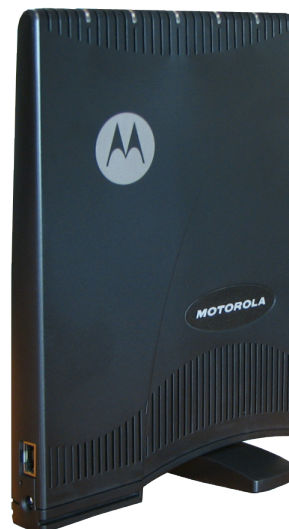




Residential Dual-Mode Subscriber Unit

High performance customer premise non-line-of-sight unit for WiMAX (802.16e) and Expedience[®] networks



Motorola's Residential Dual-Mode Subscriber Unit provides optimal performance in both Expedience and WiMAX (802.16e) networks. This unique CPE supports Expedience and WiMAX networks and greatly simplifies the transition of Expedience systems to WiMAX.

Motorola's Residential Dual-Mode Subscriber Unit (RDM) is a high performance, broadband wireless access modem for indoor applications. It is a true Non Line-of-Sight (NLOS) Plug & Play Ethernet device, requiring no drivers to be added to the subscriber's computer. The RDM provides a radio interface to both Expedience and WiMAX (802.16e) networks.

Users are connected in seconds, enjoying broadband speeds at indoor locations throughout the entire system's coverage area.

The RDM is ideal for single host or SOHO LAN applications interfacing a standard Ethernet 10/100base-T RJ-45 connector.

In Expedience mode, the unit functions as an Ethernet bridge (Layer 2) device.

In WiMAX mode, the RDM becomes a full featured router with DHCP and firewall capabilities.

- BENEFITS
- Self-contained integrated radio and modem
- True Plug & Play portability
- Fully compatible with both Expedience and WiMAX (802.16e) networks
- Automatic switching between networks with no user intervention
- Supports multiple Ethernet devices
- No software to load on subscriber's computer
- Standard Ethernet connection
- Home and small office access

SPECIFICATION SHEET

MOTOROLA RESIDENTIAL DUAL-MODE SUBSCRIBER UNIT

MOTOROLA and MOTOwi4™

The Motorola Dual-Mode Subscriber Unit is part of the MOTOwi4 family of broadband wireless access technologies, a comprehensive platform of wireless broadband solutions and services. Designed to complement and complete operator networks. Motorola is uniquely positioned to address the wireless broadband market through the MOTOwi4 vision. Motorola has aligned its business units and roadmaps to provide a comprehensive, end-to-end solution covering all aspects of the broadband wireless access deployment.

Motorola is committed to leading the industry with end-to-end WiMAX solutions addressing the full scope of the operator's deployment needs including access, core, devices, network management and services.

MOTOROLA RESIDENTIAL DUAL-MODE SUBSCRIBER UNIT SPECIFICATIONS		
	Expedience Mode	WiMAX Mode (802.16e)
Channel Bandwidth (2.5 GHz) (3.5 GHz)	3.5/5/5.5/6 MHz 3/3.5/5/5.5/6/7 MHz	5/10 MHz 5/7 MHz
Frequency Band (MHz) RDMi25100 RDMi35100		2496-2690 MHz 3400-3600 MHz
RF Output Power	2 Watts	0.5 Watts
RF Receive Sensitivity	Better than -95dBm (2.6 GHz, 6 MHz channel, 4 QAM)	>5 dB better than WiMAX Forum specifications
Network Configuration	Layer 2 "Smart Bridge"	Router with NAT, DHCP, and Firewall functions
Built-in Antenna Gain		13 dBi
IP Addresses Supported	15 (static or dynamic)	252 (DHCP Pool)
Data Interface		IEEE 802.3 Ethernet via 10/100base-T RJ-45 connector
Management Interfaces		SNMP MIB II, Web Server, Telnet, Syslog
Power Requirements		100-240 VAC, 50/60 Hz
Average Power Consumption		10 Watts
Enclosure		Indoor Desktop
Temperature Range		0°C to +40°C (operating)
Humidity Range		0% to 95% (non-condensing)
Dimensions		9.3 in (H) x 6.4 in (W) x 1.2 in (D) 23.5 cm (H) x 16.2 cm (W) x 3 cm (D)
Regulatory Approvals		Safety/EMC/Spectral certification per US, CDN, EU and other national regulatory bodies



MOTOROLA

Motorola, Inc. 2900 W. County Road 42, Burnsville, MN 55337 USA Ph. 952.929.4008 - Fax: 952.929.4080 www.motorola.com/expedience

The information presented herein is to the best of our knowledge true and accurate. No warranty or guarantee expressed or implied is made regarding the capacity, performance or suitability of any product. MOTOROLA, the stylized M Logo, and Expedience are registered in the U.S. Trademark and Patent Office. All other product or service names are the property of their respective owners. © Motorola, Inc. 2007. All rights reserved.

RDM_spec_v.1