



Expedience® Residential Subscriber Unit

High performance customer premise solutions for wireless broadband access



Motorola's Expedience Residential Subscriber Unit delivers flexible, high-speed connectivity for nomadic wireless broadband access. Performance in the field and on the bottom line.

Motorola's Expedience Residential Subscriber Unit (RSU) 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 RSU incorporates automatic adaptive modulation for increased throughput and network capacity.

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

The unit functions as an Ethernet bridge (Layer 2) device, and is ideal for single host or SOHO LAN applications interfacing a standard Ethernet 10base-T RJ-45 connector. It is compatible with all standard Ethernet devices such as 802.11 wireless access points and webcams.

The RSU includes a power supply allowing it to be driven by any 110/220V (50/60 Hz) source.

BENEFITS

- Self-contained integrated radio and modem
- True Plug & Play portability
- No service provider installation required
- Consistent broadband speeds across entire cell radius
- Adaptive high-order modulation 4/16/64 QAM
- Supports multiple Ethernet devices
- No software to load on subscriber's computer
- Standard Ethernet connection
- Home and small office access

SPECIFICATION SHEET

MOTOROLA RESIDENTIAL SUBSCRIBER UNIT FOR EXPEDIENCE®

MOTOWi4™

The Motorola Expedience Residential Subscriber Unit (RSU) 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, MOTOWi4 solutions address a broad range of applications across operator segments. MOTOWi4 is extending the reach and capabilities of operator networks, from basic connections in unserved regions to high-speed, mobile access in dense metro markets. MOTOWi4 solutions help people access information and share content wherever they might be.

MOTOROLA EXPEDIENCE RESIDENTIAL SUBSCRIBER UNIT SPECIFICATIONS	
Channel Bandwidth (2.5 GHz)	3/3.5/5/5.5/6 MHz
(3.x GHz)	3/3.5/5/5.5/6/7 MHz
Frequency Band (MHz)	
RSU-2510	2496-2690 MHz
RSU-3310	3300-3400 MHz
RSU-3510	3400-3600 MHz
RSU-3710	3600-3800 MHz
Modulation	OFDM - 4/16/64/ QAM
Operating Mode	Time Division Duplex (TDD)
RF Output Power	2 Watts
RF Receive Sensitivity	Better than -95dBm (2.6 GHz, 6 MHz channel, 4 QAM)
IP Addresses Supported	15 (static or dynamic)
Data Interface	IEEE 802.3 Ethernet via 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

*RSU-2510S and RSU-3510S are fully RoHS-compliant units, replacing the RSU-2510A and RSU-3510A. These new units are compatible with all provisioning server s/w releases starting with RLS 4.3.

