Remote Wireless Gateway

General Description

Intelligent management of in-building wireless systems, like Repeaters and DAS, is critical for the success of your network service. As a leading provider of intelligent site management, Westell is introducing a robust and simple-to use-modem to connect your remote devices. The Remote Wireless Gateway RMC-747 is a flexible and cost-effective modem that you can provision and turn up quickly.

The Remote Wireless Gateway provides a wireless backhaul connection from any in-building wireless system back to your management network. This rugged modem complies with all major telecommunication device standards.

The solution is designed to enhance your network management strategy, reduce operating costs, and improve technician efficiency by providing connectivity back to the wireless infrastructure and allowing for remote diagnostics. The Remote Wireless Gateway is a cost-effective modem that can be conveniently mounted inside an equipment room or wiring closet to provide a secure connection back to your management network.

In-building wireless solutions are now vital extensions of the mobile network and important components to providing quality service and coverage. This modem is the perfect choice to connect distributed antenna systems, repeaters, distributed radios and other high-performance passive devices. The Remote Wireless Gateway provides two Ethernet connections conveniently located on the front panel. A low-voltage AC power adapter supplies power from any outlet, backed up by an optional direct battery DC connection. This ensures a simple and efficient installation process.

The RMC-747 links to the Optima Site Management System for World Class monitoring and control solutions. This modem connects to multiple IP-based devices using Ethernet connections, and are designed to forward SNMP or any other TCP/IP related traffic that is configured to pass. Westell has added an easy-to-use new and improved Graphical User Interface to rapidly provision the modem. The interface provides a visual 5-bar signal-strength indicator and ability to identify connected devices, IP port configuration, and new user login and password credentials.

Remote RMC-747

Once provisioned, the modem will forward alarms and performance data over the wireless backhaul connection. Together, the modem and a site management system (Westell's Optima Prime or other 3rd party management system) provide a complete solution, including detailed monitoring, remote control, and management for the passive equipment that is required for network availability.

Features of the Remote Wireless Gateway:

• Integrated Router/Bridge

• Integrated 3G/4G modem

• Ruggedized Housing

• External 3G/4G Antennas

How the RMC-747 benefits your operation:

• Reduces operating costs

• Improves technician efficiency

• Increases network quality and availability

• Improves site security

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Ordering Information

RMC-747	Verizon and AT&T compatible, RMC-700, Sierra Wireless MC7455 internal modem, Over-the-air local antenna, AC power adapter

Optional Components

820-2028-001	External Antenna Coupler (SMA to N type)
375-1013-001	Ethernet Hub

Supports North American Wireless Spectrum

LTE (including AWS)		GNSS
UMTS (WCDMA)		
HSPA	HSPA+	DC-HSPA+

Management and management access

Web-based user interface administration

Console port local access via Ethernet

SSHv2 / SFTP / HTTPS

SNMP MIB

SMS

Optima Management System support

Reliability/maintenance

MTBF - 200,000 hours @ 25°C

MTTR - 30 minutes

Power and battery backup

120 VAC power adapter

Separate battery backup connection with internal charger

Remote RMC-747 physical specifications

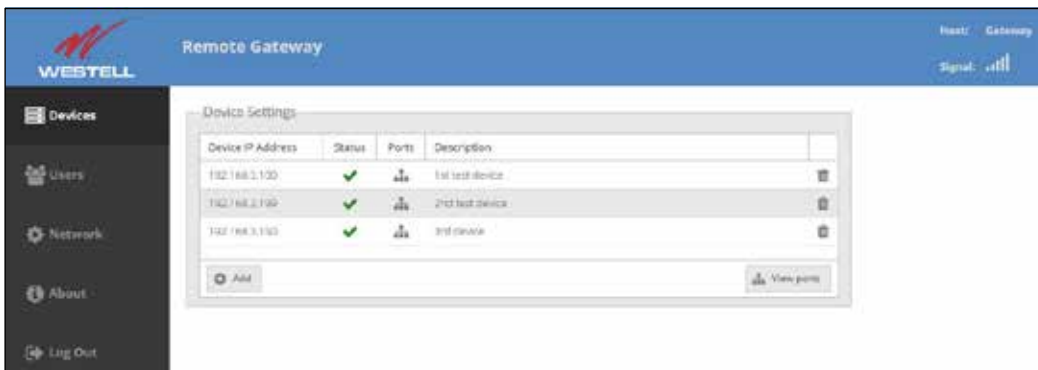|	
Depth:	0.92 in. (2.3 cm)
Height:	5.6 in. (14.2 cm)
Width:	9.95 in. (25.3 cm)
Weight:	1.6 lb (0.73 kg)
Mounting:	Wall mount
Power requirements:	5W (minimum); 12W (maximum)
Input voltage:	+/- 20 VDC to +/- 60 VDC

Environmental

Extended temperature range of -40°C to +65°C (-40°F to 149°F)

Humidity – 0% to 95% (non-condensing)

Compliance

FCC compliant

EN 60950 compliance

CE Mark compliance

NEBS Level III compliance

GR-3108 compliance

Provisioning Interface GUI

How the interface GUI can benefit your operation:

- Interface maintains at-a-glance wireless status icons
- Easy-to-Install: mount, power-up and plug-in laptop to provision
- Rapid provisioning of connected devices, user access, and IP address and ports