

# 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-743-G and RMC-746-G are flexible and cost-effective modems 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-743-G and RMC-746-G are new members of the Westell ISM product line that also links to the Optima Prime Site Management System for World Class monitoring and control solutions. These modems connect 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 4-bar signal-strength indicator and ability to identify



Remote RMC-746-G

connected devices, IP port configuration, and new user login and password credentials.

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-743-G or RMC-746-G benefits your operation:

- Reduces operating costs
- Improves technician efficiency
- Increases network quality and availability
- Improves site security

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## Ordering Information

RMC-746-G	Verizon compatible, RMC-700, Sierra Wireless MC7354 internal modem, Over-the-air local antenna, AC power adapter
RMC-743-G	AT&T compatible, RMC-700, Sierra Wireless MC7354 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)	CDMA EVDO Rel 0 and Rel A	GNSS
UMTS (WCDMA)	HSDPA	GSM
HSUPA	HSPA+	DC-HSPA+
GPRS	EDGE	

## 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-7XX-G 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

Device IP Address	Status	Ports	Description
192.168.3.100	✓	👤	1st test device
192.168.3.199	✓	👤	2nd test device
192.168.3.150	✓	👤	3rd device

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

