

Remote RMC-700 and Enclosure

General Description

Intelligent management of remote sites is critical for the success of today's networks. As a leading provider of intelligent site management, the Westell solution provides comprehensive monitoring, management, and control through enhanced machine-to-machine (M2M) communications.

The Remote RMC-700 is a flexible, intelligent monitoring and control device that provides comprehensive IP management and access capabilities to sites and the managed passive equipment. The RMC-700's ability to provide site alarm monitoring, protocol conversion, and I/O capacity to passive equipment makes it an intelligent extension of the Westell Optima Management System®. The solution is designed to enhance your network management strategy, reduce costs, and improve operational efficiency.

The Remote RMC-700 is a cost-effective site management solution that can be conveniently mounted inside virtually any outdoor enclosure to provide intelligent site management. The device supports any two applications selected from the Westell suite, such as generator management, fuel monitoring, environmental monitoring, HVAC monitoring or control, and aircraft warning light monitoring.

The RMC-700 provides a small footprint, and with the input and output connections conveniently located on the front panel, it ensures a simple and efficient installation process. All of the connectors are removable for easy maintenance. The RMC-700 is powered by a low voltage DC power input, and there is a direct battery backup connection.

The Remote RMC-700 provides intelligent site management for small sites or sites requiring minimal monitoring. The product highlights include:

- Comprehensive site management for any two Westell applications
- Mounting into virtually any outdoor enclosure to provide intelligent monitoring and control
- Ethernet and wireless connectivity options
- A small footprint
- Easy-to-use GUI with Optima
- Advanced equipment management and protocol conversion
- Alarm aggregation for reduced network management complexity
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Because of the Remote RMC-700's small size, it can be installed in nearly any roadside, tower, or cell site enclosure. This "intelligent enclosure" can then provide critical data, including temperature, humidity, and DC power quality. This continuous monitoring helps protect equipment and ensure 100% availability. With Westell's extensive line of outdoor enclosures, the RMC-700 provides the option for intelligent enclosures to meet almost any business needs.

An integral part of the Westell intelligent site management solution, the Remote RMC-700 connects to multiple network elements via a wide variety of interface options. The RMC-700 performs protocol mediation and interface conversion, collects alarms and performance data, provides advanced equipment management, and supports bi-directional management control through an Ethernet or wireless backhaul connection. Together, the Remote RMC-700 and Optima Management System provide a complete solution including detailed monitoring, remote control, and management for the passive equipment that is required for network availability.

Remote RMC-700 and Enclosure

Ordering Information

Remote RMC-700	Remote RMC-700 (standalone)
Remote RMC-744	Remote RMC-700 with 4G LTE for international WAN
Remote RMC-747	Remote RMC-700 with 4G LTE for Americas/EMEA

RMC-700 Supported Protocols

DHCP (server, client, relay) / DNS / NTPv4
HTTPS / SFTP / SSHv2
Internet Protocol version 4 (IPv4) and version 6 (IPv6) / NAT64
IPSec / OpenVPN
Serial protocols: RS232 (one port), RS485/RS422 (one port) / TBOS
SNMP (v1, v2c, v3) / TL1 / WebAPI
TACACS+ AAA / RADIUS

RMC-700 Management and Management Access

Command Line Interface (CLI)
Web-based user interface administration
Console port local access via Ethernet
Wizard configuration support
SNMP MIB
SMS
Optima Management System support

Reliability/Maintenance

MTBF - 200,000 hours @ 25°C
MTTR - 30 minutes

Power and Battery Backup

+/- 20 to 60 VDC power input
Separate battery backup connection with internal charger

Remote RMC-700 Physical Specifications

Depth:	0.92 in. (2.3 cm)
Height:	5.6 in. (14.2 cm)
Width:	9.95 in. (25.3 cm)
Weight:	1.35 lb (0.62 kg)
Mounting:	Wall or cabinet mount
Power requirements:	5W (minimum); 12W (maximum)
Input voltage:	+/- 20 VDC to +/- 60 VDC

Remote RMC-700 Environmental

Extended temperature range of -40°C to +65°C (-40°F to 149°F)
Humidity - 0% to 95% (non-condensing)

Remote RMC-700 Compliance

FCC compliant
EN 60950 compliant
CE Mark compliant

NEMA 4 Cabinet Specifications

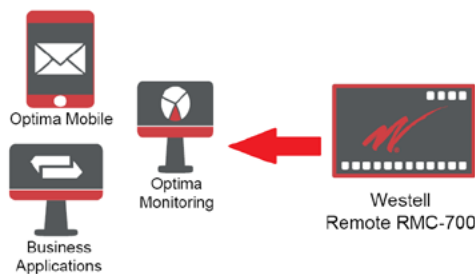
Depth:	7.25 in. (18.4 cm)
Height:	14.5 in. (36.8 cm)
Width:	13.25 in. (33.7 cm)
PVC construction	
UL® listed and CSA certified	

Product overview

Product	Async Ports	Ethernet Ports	Discrete Ports	Control Outputs	Analog Inputs	Voltage
Remote RMC-700	2**	2	12	1	1*	20-60 VDC

* Optional: one (1) 0-10 VDC input or one (1) 4-20 mA input

** RS232 (one port), RS485/RS422 (one port)



Proactively manage all critical remote site elements

