Remote RMC-700

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 your site 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 is the perfect choice for applications, 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.

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 with an element management system (Westell's Optima or other 3rd party management system) provide a complete solution inlcuding detailed monitoring, remote control and management for the passive equipment that is required for network availability.

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

- Mounting into virtually any outdoor enclosure to provide intelligent monitoring and control
- Ethernet and wireless connectivity options
- A small footprint
- Advanced equipment management and protocol conversion
- Alarm aggregation for reduced network management complexity
- SiteBus for low-cost sensor support or relay output expansion

Ordering information

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

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

RMC-700 management and management access

Command Line Interface (CLI)

Web-based user interface administration

Console port local access via Ethernet

Wizard configuration support

Optima Management System support

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:	1.6 lb (0.73 kg)
Mounting:	Wall or cabinet 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

CB Scheme / CE Mark / EN 60950 / FCC / GR-3108 / NEBS Level III / NTRL Safety 60950-1

Product overview

Product	RS232 Ports	RS422/485 Ports	Ethernet Ports	Discrete Ports	Control Outputs	Analog Inputs	1-Wire Sitebus	Input Power
Remote RMC-700	1	1	2 10/100	12	1	1*	1	+/-20-60 VDC

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

Intelligent Site Management Solution

Proactively manage all critical remote site elements

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