

Remote RMM-800



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 RMM-800 is a flexible, intelligent monitoring and control device that provides comprehensive IP management and access capabilities to sites and the managed passive equipment. The RMM-800'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 RMM-800 is a cost-effective site management solution that can be conveniently mounted in any 19" or 23" rack to provide intelligent site management. The device is the perfect choice for applications suites, such as generator management, fuel monitoring, environmental monitoring, HVAC monitoring or control, and aircraft warning light monitoring.

The RMM-800 requires only 1 RU, 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 RMM-800 is powered by a low voltage DC power input, and supports A & B power.

The Remote RMM-800 can be installed in nearly any 19/23" equipment rack or in a roadside, tower, or cell site enclosure which has 1 RU of available rack space. 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 with built-in equipment racks, the RMM-800 provides the option for intelligent enclosures to meet almost any business needs.

An integral part of the Westell intelligent site management solution, the Remote RMM-800 connects to multiple network elements via a wide variety of interface options. The RMM-800 performs protocol



mediation and interface conversion, collects alarms and performance data, provides advanced equipment management, and supports bi-directional management control through an Ethernet (copper or fiber) or a wireless backhaul connection.

Together, the Remote RMM-800 with an element management system (Westell's Optima 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.

The Remote RMM-800 provides intelligent site management for small sites or sites requiring minimal monitoring. The product highlights include:

- Mounting in any 19/23" equipment rack to provide intelligent monitoring and control
- Ethernet and wireless connectivity options
- Two SFP (Small Form-Factor Pluggable) ports, supporting GigE fiber or copper
- Requires just 1 Rack Unit (RU) in equipment rack
- Advanced equipment management and protocol conversion
- Alarm aggregation for reduced network management complexity



Remote RMM-800



Ordering information

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|------------------|---|
| Remote RMM-800 | Remote RMM-800 system |
| Remote RMM-844 | RMM-800 with 4G LTE for international WAN |
| Remote RMM-847 | RMM-800 with 4G LTE or Americas/EMEA |
| 06-535-003 | Cable Management Bar for RMM-8xx for 19" rack |
| Remote RMM-800-T | Remote RMM-800 with 19" Cable Management Bar |

RMM-800 supported protocols

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| DHCP (server, client, relay) / DNS / NTP v4 |
| HTTPS / SSHv2 / SFTP |
| Internet Protocol version 4 (IPv4) and 6 (IPv6) / NAT64 |
| IPSec / OpenVPN |
| Serial protocols: RS232/RS485/RS422/ TBOS |
| SNMP (v1, v2c, v3) |
| TACACS+ AAA / RADIUS |
| TL1 |

Reliability/maintenance

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

Compliance

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| CB Scheme, CE Mark, EN 60950, FCC, GR-3108, NEBS level III, NRTL 60950-1 |
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RMM-800 management and management access

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

Power

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|------------------------------|
| +/- 20 to 60 VDC power input |
| A&B power support |

Remote RMM-800 physical specifications

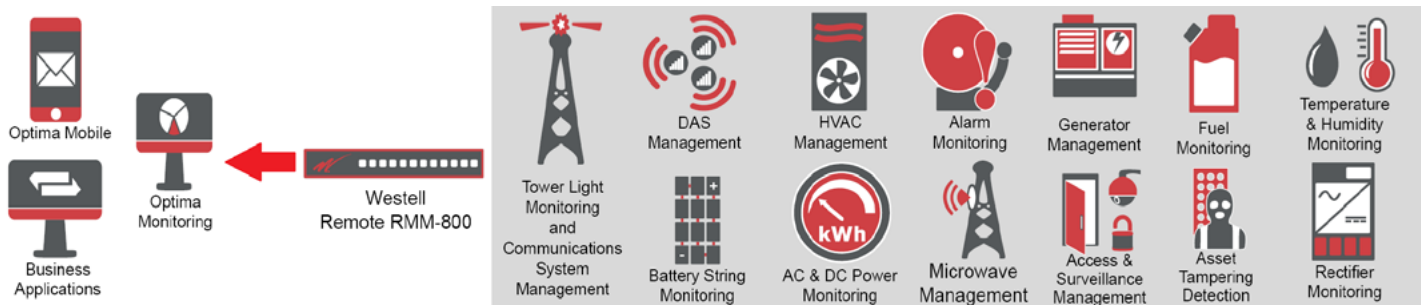
| | |
|----------------------------------|--|
| Depth: | 4.9 in. (12.45 cm) |
| Depth w/SFP Port: | 5.34 in. (13.56 cm) |
| Height: | 1.73 in. (4.39 cm) |
| Width: | 17.0 in. (43.18 cm) |
| Weight: | 1.8 lb (0.82 kg) |
| Mounting: | 19" or 23" equipment racks |
| Power requirements: | 8W (minimum); 15W (maximum) |
| Input voltage: | +/- 20 VDC to +/- 60 VDC |
| Operating Environment (Ambient): | Temperature: -40° to 65°C Relative humidity: 0% to 95% (non-condensing) |

Product overview

| Product | Async Ports | SFP Ports 10/100/1000 | Ethernet Ports 10/100/1000 | Discrete Ports | Control Outputs | Analog Inputs | Input Power |
|----------------|-------------|--------------------------|-------------------------------|----------------|--------------------|----------------|--------------|
| Remote RMM-800 | 2 | 2 | 2 (PoE) | 16 | 1 | 1 ^A | +/-20-60 VDC |

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

Intelligent Site Management Solution



Proactively manage all critical site elements

