Remote RMX-3200

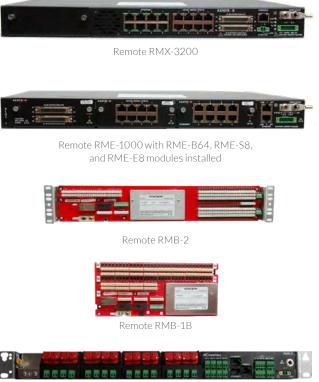


General Description

The Remote RMX-3200 is a monitoring and control device that provides IP management to sites and equipment. The Remote RMX-3200 enables site alarm monitoring, protocol conversion, and equipment connectivity and acts as an intelligent extension of your Operations Support Systems (OSS). It is designed to enhance your network management strategy, reduce operational costs, and improve operational efficiency with reduced truck rolls.

The RMX-3200, a highly integrated site management solution, includes eight serial, eight Ethernet, and 80 I/O ports. It also includes modular WAN communication and expansion options, providing site management flexibility and growth. It supports up to four RME-1000 expansion shelves and 12 expansion modules, providing port capacity for any situation. The Remote RMB-1B, RMB-2, and/or RMB-3 connect to the RMX-3200 via Ethernet to provide additional alarm, sensor, and control interfaces for site management. Two Power over Ethernet (PoE) ports are available to power the RMB-1B and RMB-2.

An integral part of the Westell site management solution, the RMX-3200 resides at your network's locations and connects to each element via a wide variety of interface options. The RMX-3200 performs protocol mediation and interface conversion, collects alarms and performance data, and supports bi-directional management control with the Westell Optima Management System® via Ethernet or wireless communication options. Together, the Remote RMX-3200 and Optima provide detailed monitoring, remote control, and management for virtually all site devices.



Remote RMB-3

The Remote RMX-3200 provides IP network connectivity for site management and alarm monitoring.

The RMX-3200 highlights include:

- · Capacity flexibility and scalability for any size site
- Modular WAN and I/O expansion options
- · PoE for site security and other applications
- Easy-to-use GUI with Optima
- Advanced equipment management and protocol conversion
- Custom application extension support
- Flexible IP network connectivity including wireless networking options
- · Alarm aggregation for reduced network management complexity



Remote RMX-3200



Ordering information

Remote RMX-3200	Remote RMX-3200 system			
Remote RMX-3240*	RMX-3200 with GigE module			
Remote RMX-3244*	RMX-3200 with 4G LTE international WAN			
Remote RMX-3247*	RMX-3200 with 4G LTE Americas/EMEA			
Remote RMB-1B	RMB-1B alarm collector			
Remote RMB-2	RMB-2 rack mounted alarm collector			
Remote RMB-3	RMB-3 rack mounted alarm collector			
* Insert modules available separately: RMX-WGE-40, RMX-WWAN-44, and				

^{*} Insert modules available separately: RMX-WGE-40, RMX-WWAN-44, and RMX-WWAN-47

Expansion shelves and modules** ordering information

	** In addition to above WAN modules
Remote RME-E8	8 Ethernet port module
Remote RME-B64	80 I/O port module (see table)
Remote RME-S8	8 serial async port module
Remote RME-1000	3 slot expansion shelf

RMX-3200 supported protocols

DHCP (server, client, relay) / DNS / NTPv4
FTP/HTTP/HTTPS/SFTP/SSHv2/Telnet
Internet Protocol version 4 (IPv4) and version 6 (IPv6) / NAT64
IPSec / OpenVPN
Serial protocols RS232, RS422, RS485 / TBOS
SNMP (v1, v2c, v3) / TL1 / Web API
Spanning Tree (IEEE 802.1d)
TACACS+ AAA / RADIUS
Virtual LAN - IEEE 802.1q
RMX-3200 management and management access

RMX-3200 management and management access

Command Line Interface (CLI)
Web-based user interface administration
Console port local access
Wizard configuration support
Optima Managment System Support

Remote RMX-3200 physical specifications

Depth:	12 in. (30.5 cm)				
Height:	1.75 in. (4.45 cm)				
Width:	16.86 in. (42.8 cm)				
Weight:	8.5 lbs. (3.86 kg)				
Rack mounting:	19 or 23 in. racks, (1-RU)				
Power requirements:	Dual input (A/B feed) +/- 20-60 VDC; 15W (typical), 50W (max)				

Environmental / Reliability / Maintenance

Extended temperature range of -40°C to 65°C (-40°F to 149°F)
Humidity – 0% to 95% (non-condensing)
MTBF - 200,000 hours @ 25°C
MTTR - 30 minutes

Remote RME-1000 specifications

Up to four expansion systems are managed by a host Remote				
Connection is via Ethernet (daisy-chained to additional units)				
No additional IP addressing required				
Depth, height, width, and mounting are same as RMX-3200				
Weight: 10 lbs. (4.54 kg)				
Power requirements: Dual input (A/B feed) +/- 20-60 VDC				

Remote RMB-1B specifications

Depth:	1.25 in. (3.2 cm)
Height:	4.8 in. (12.2 cm)
Width:	11 in. (27.9 cm)
Weight:	1.85 lbs. (0.8 kg)
Mounting:	Wall mount hardware included. 19 or 23 inch rack options
Power requirements:	802.3af Power over Ethernet (PoE) Class 4

Remote RMB-2 physical specifications

Depth:	1.75 in. (4.45 cm)
Height:	3.5 in (8.89 cm)
Width:	17.5 in. (44.45 cm)
Weight:	4 lbs (1.8 kg)
Mounting:	Rack mount hardware included. Supports 19, 21, or 23 inch EIA and ETSI racks
Power requirements:	802.3af Power over Ethernet (PoE) Class 4

Remote RMB-3 specifications

Depth:	3.9 in. (9.75 cm)/ 5 in. (12.7 cm) with modules
Height:	1.67 in (4.175 cm)
Width:	16.952 in. (42.38 cm)
Weight:	2.3 lbs (1.04 kg)/3.3 lbs. (1.5 kg) with modules
Mounting:	19 or 23 inch rack options
Power requirements:	+/- 20-60 VDC ~0.35A @ 24V; ~0.175A @ 48V 8.3W max while providing 100ma @ 24VDC and 50ma @ 5VDC

Compliance

CB Scheme, CE Mark, EN 60950, FCC, GR-3108, NEBS level III, NRTL 60950-1



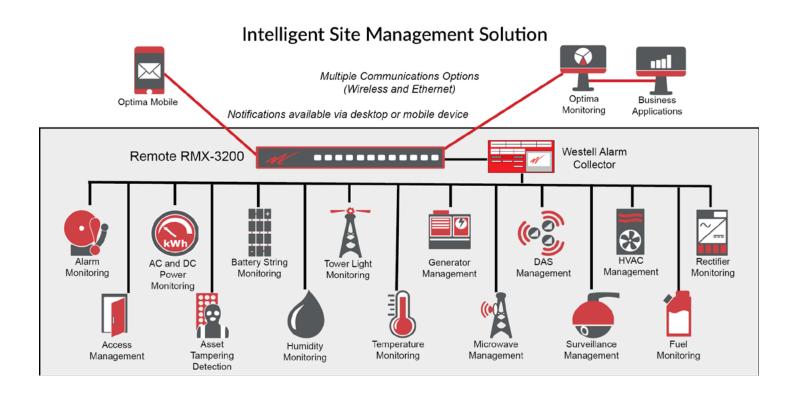
Remote RMX-3200



Remote suite of products overview

Product	Async Ports	Console Ports	Ethernet Ports	Discrete Ports	Control Outputs	0-10 VDC Inputs	4-20 mA Inputs	Input Power
Remote RMX-3200	8 ^A	1	8 (2 PoE)	64	4	Up to 12 ^B	Up to 12 ^B	+/- 20-60 VDC
Remote RME-B64 ^c				64	4	12	Up to 12 ^B	+/- 20-60 VDC
Remote RME-S8 ^c	8 ^A							+/- 20-60 VDC
Remote RME-E8 ^c			8					+/- 20-60 VDC
Remote RMB-1B DG			1 ^E	64	4	4	4	PoE Class 4
Remote RMB-2 ^{DG}			1 ^E	64 F	4	4	4	PoE Class 4
Remote RMB-3 ^{DG}			2 ^H	24	2	1	1	+/- 20-60 VDC

^AAll 8 async ports operate in RS232, RS422, or RS485 mode ^BRMX-3200 has 12 analog inputs configurable for voltage or current ^CRequires a Remote RMX-3200 with an available expansion slot ^D Requires a Remote RMX-3200 ^EConnection to Remote RMX-3200 only ^F Supports wet or dry contact inputs and input voltages of 4-72 VDC with positive or negative grounding ^GSupports multiple sbTemp or sbTempHumidity sensors ^H Includes connection to Remote RMX-3200





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