

QM-RMC

Room Media Controller

The QM-RMC is a very compact 2-Series Ethernet control system, which may be used standalone for small or specialized IP-based control applications, or as an expansion module for larger systems. The QM-RMC provides a very cost-effective solution for controlling and monitoring any number of classroom video projectors, public display devices, centralized AV matrix routers, codecs, lighting systems, or remote motorized cameras over an IP network. Combining high performance and versatility at an affordable cost makes the QM-RMC ideal for mass deployment throughout college campuses, corporate meeting and training centers, and other multi-room facilities.

The QM-RMC is designed to mount inconspicuously at a projector, flat panel display, or any other device that requires control. The QM-RMC communicates securely and transparently via 10/100 Ethernet to any IP-enabled Crestron® touchpanel or control system. Crestron e-Control® 2 XPanel technology is fully supported as well allowing complete control from a computer or mobile device. Hundreds of AV devices and systems throughout a facility can be managed easily using Crestron RoomView® ProAV Help Desk Software, delivering the industry's best centralized control, monitoring and scheduling solution.

Two bi-directional RS-232 ports and one IR/Serial port are provided on the QM-RMC for full control of a wide array of AV devices. In addition, four digital input ports provide for direct connection to room occupancy sensors, power sensors, etc.

- > *A compact multipurpose 2-Series control processor*
- > *Also ideal as a networked control system expansion module*
- > *High-speed 10/100 Ethernet with SSL encryption*
- > *e-Control® 2 enabled*
- > *SNMP support*
- > *2 RS-232 Com ports*
- > *1 IR/serial port*
- > *4 digital input ports*
- > *External power supply included*

SPECIFICATIONS

Processor

CPU: 32-bit Freescale ColdFire® Microprocessor

Memory

SDRAM: 32 MB

NVRAM: 256 KB

Flash: 4 MB

Operating System

Real-time, preemptive, multitasking kernel, multi-threaded; FAT32 file system with long names; supports SIMPL Windows™, SIMPL+®, SystemBuilder™, and D3 Pro™



Ethernet

10/100 Mbps, auto-negotiating, full/half duplex, static IP or DHCP, SSL, TCP/IP, UDP/IP, CIP, SMTP, SNMP, Web server, SMTP e-mail client, supports all e-Control® 2 and RoomView™ applications

Connectors

INPUT 1 - 4: (1) 5-pin 3.5mm detachable terminal block comprising (4) digital input ports;

Rated for 0-24 Volts DC, referenced to GND;
Input Impedance: 2k ohms pulled up to 5 Volts DC;
Logic Threshold: 2.5 Volts DC nominal

IR: (1) 2-pin 3.5mm detachable terminal block;
IR/Serial output port;

IR output up to 1.2 MHz;
1-way serial TTL/RS-232 (0-5 Volts) up to 115.2k baud;
Expandable via ST-SPL to control multiple disparate devices

COM A - B: (2) DB9 male, bidirectional RS-232 ports;
Up to 115.2k baud, hardware and software handshaking support;

Com port B also serves as the computer console port
LAN: (1) 8-wire RJ45 female;

10BaseT/100BaseTX Ethernet port

12VDC 0.5A: (1) 2.5mm barrel DC power jack;

12 Volt DC power input;

(PW-1205 power pack included)

Controls & Indicators

LAN: (2) LEDs, green indicates Ethernet link status, amber indicates Ethernet activity

COM A - B: (2) red LEDs, indicate activity on each corresponding COM port

IR: (1) red LED, indicates activity on the IR port

INPUT: (1) red LED, indicate activity on any digital input port

HW-R: (1) recessed pushbutton for hardware reset (reboots the control system)

SW-R: (1) recessed pushbutton for software reset (restarts the SIMPL program)

PWR: (1) green LED, indicates power supplied from power pack

ACT: (1) red LED, indicates activity on the LAN port

Power Requirements

Power Pack: 0.5 Amp @ 12 Volts DC;

120 Volts AC, 60 Hz power pack, model PW-1205, included

QM-RMC Room Media Controller

Environmental

Temperature: 41° to 113°F (5° to 45°C)
Humidity: 10% to 90% RH (non-condensing)

Enclosure

Metal, black finish, freestanding (adhesive feet included)

Dimensions

Height: 1.43 in (37 mm)
Width: 4.65 in (119 mm)
Depth: 5.41 in (138 mm)

Weight

1.34 lb (0.61 kg)

INTERNATIONAL VERSION (230 VAC)

QMI-RMC

All the features and specifications of the QM-RMC except:

Power Requirements

Power Pack: 0.5 Amp @ 12 Volts DC;
230 Volts AC, 50 Hz power pack, model PWI-1215, included

Available Models

QM-RMC: Room Media Controller

QMI-RMC: Room Media Controller - International Version, 230V

Included Accessories

PW-1205 Power Pack, Wall, 12VDC, 0.5A, 120VAC [Included Quantity for QM-RMC: 1]

PWI-1215 Power Pack, Desktop, 12VDC, 1.5A, 230VAC [Included Quantity for QMI-RMC: 1]

Available Accessories

CNSP-XX: Custom Serial Interface Cable

IRP2: IR Emitter Probe

CNXRMCS: TV Current Sensor [Discontinued]

CRESTRON-MOBILE-PRO: Crestron Mobile Pro® Control App for iPhone®, iPod touch®, and Android™; refer to the iTunes® App Store and Google Play™ for pricing and download

CRESTRON-MOBILE-PRO-G: Crestron Mobile Pro® G Control App for iPad®; refer to the iTunes® App Store for pricing and download

CRESTRON-MOBILE: Crestron Mobile® Control App for iPhone®, iPod touch®, and Android™; refer to the iTunes® App Store and Google Play™ for free download

CRESTRON-MOBILE-G: Crestron Mobile® G Control App for iPad®; refer to the iTunes® App Store for free download

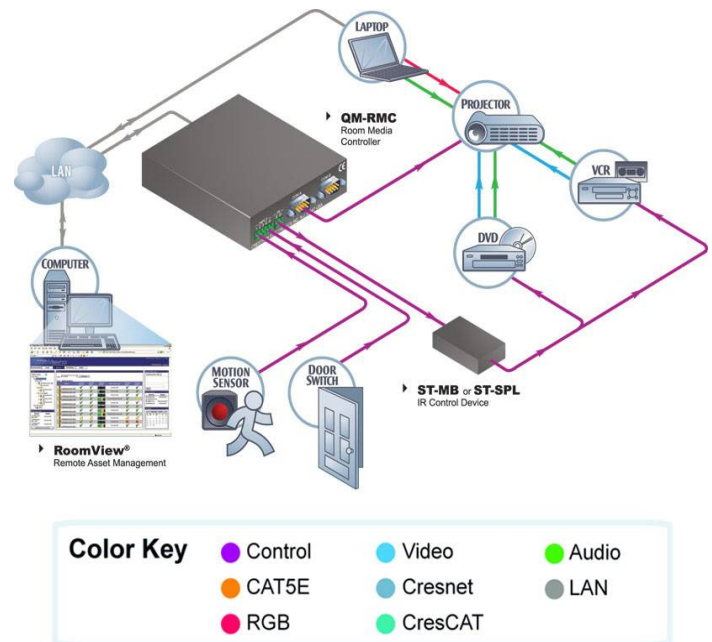
SW-ROOMVW-ENT: RoomView® Express - Remote Help Desk and Resource Management Software

SW-ROOMVW-SERVER: RoomView® Server Edition - Enterprise Management and Scheduling Software [Discontinued]

Notes:

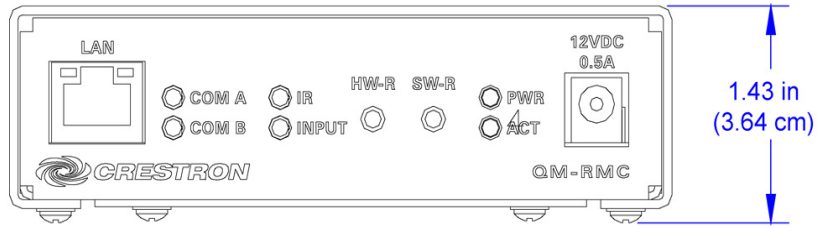
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Typical QM-RMC Application

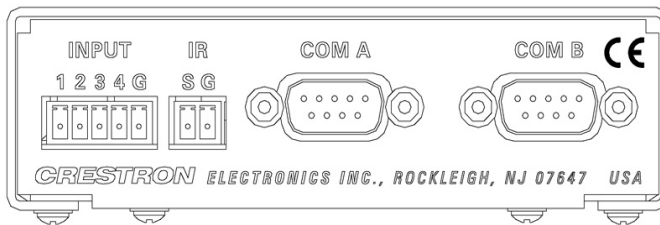


QM-RMC Room Media Controller

Front



Rear



Top

