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/plasma or any 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 PC or PDA device. Hundreds of AV devices and systems throughout a facility can be managed easily using Crestron's powerful **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.

> Compact 2-Series control processor / expansion module

> 10/100 Ethernet | SSL encryption

> e-Control 2 enabled | SNMP support

> 2 Com ports (RS-232)

> 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®** and **SIMPL+®**

Ethernet
10/100BaseT, static IP or DHCP/DNS, SSL, auto-negotiating, full duplex TCP/IP, UDP/IP, CIP, SMTP, SNMP, built-in Web server and e-mail client; supports Crestron **e-Control®2 XPanel** and **RoomView®** applications

Connectors
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
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
INPUT: (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
LAN: (1) 8-wire RJ45 with 2 LED indicators;
10/100BaseT Ethernet port;
Green LED indicates link status;
Yellow LED indicates Ethernet activity
12VDC: (1) 2.5mm barrel DC power jack;
12 Volt DC power input;
(**PW-1205** power supply included)

Reset Buttons
HW-R: Hardware reset (reboots the control system)
SW-R: Software reset (restarts the SIMPL program)

LED Indicators
PWR: (1 green) Indicates DC power supplied to unit
ACT: (1 red) Indicates activity on the LAN port
COM A - B: (2 red) Indicate activity on each respective COM port
IR: (1 red) Indicates activity on the IR port
INPUT: (1 red) Indicate activity on any digital input port

Power Requirements
QM-RMC: 6 Watts (0.5 Amps) @ 12 Volts DC
Power Supply (PW-1205 included): 120 Volts AC, 60 Hz

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

Enclosure

Steel, black matte powder coat finish, freestanding (adhesive feet included)

Dimensions

Height: 1.43 in (3.63 cm)
Width: 4.65 in (11.81 cm)
Depth: 5.41 in (13.74 cm)

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

QMI-RMC: 6 Watts (0.5 Amps) @ 12 Volts DC
Power Supply (PW-1210RU included): 230 Volts AC, 50 Hz

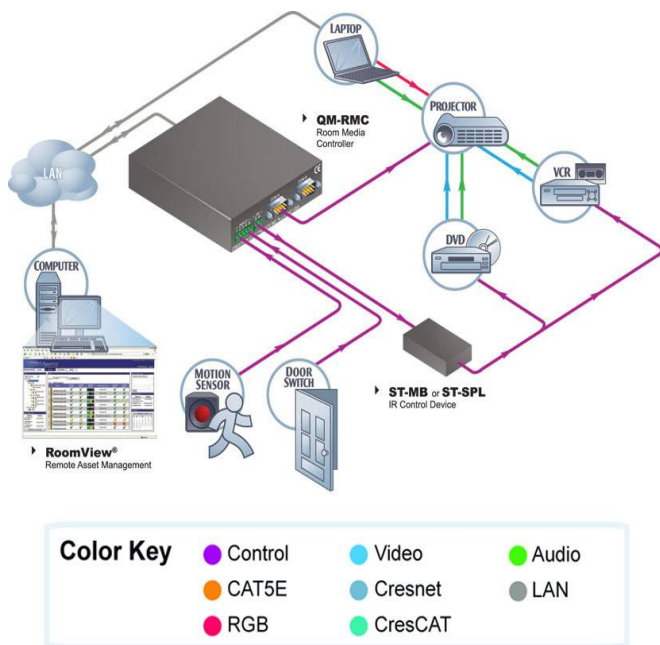### INCLUDED ACCESSORIES

PW-1205 (or PW-1210RU): 12 Volt Power Pack

AVAILABLE ACCESSORIES
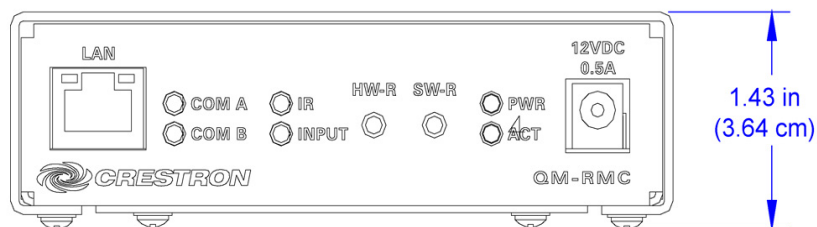
CNSP-XX: Custom Serial Interface Cable
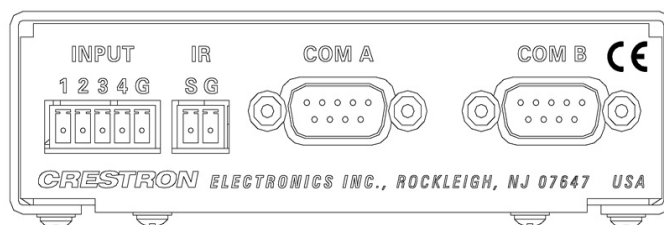**IRP2:** IR Probe
CNXRMCS: Current Sensor

Typical QM-RMC Application

Front

1.43 in
(3.64 cm)

Rear

Top

4.65 in
(11.81 cm)

5.24 in
(13.30 cm)