Crestron QM-RMC
Control System and Ethernet-to-Serial Interface

*media*manager
by crestron

The QM-RMC is a 2-Series control system with a built-in Web server and IR, serial and digital input ports to control devices such as projectors, switchers, TVs and other AV equipment over IP networks. The QM-RMC is a compact unit designed to mount conveniently on a projector/plasma or AV device to provide facility-wide AV management. Combining high performance and versatility at an affordable cost makes the QM-RMC ideal for universities and corporate campuses requiring low-cost room control solutions.

Versatility–More than just an affordable Ethernet-to-serial interface, the QM-RMC is a full-featured 2-Series processor offering complete programming flexibility. Engineered for the most demanding professional AV control applications, the QM-RMC can be programmed for standalone local display and device control. With Crestron's graphically-based SIMPL™ Windows software and extensive device database that includes thousands of IR and serial drivers, program development is quick and easy.

Power–The QM-RMC features the powerful 2-Series processor, based on Motorola's ColdFire® technology, with 36 MB of onboard memory; 2 bi-directional COM ports for controlling devices via RS-232; 1 IR port compatible with the ST-SPL IR splitter, for controlling multiple IR devices; 4 digital input ports for direct connection to sensors; and 1 10/100BaseT full duplex Ethernet port.

e-Control 2™ XPanel Technology–The QM-RMC provides an onboard Web server with SSL, so authorized users can access the control system from the LAN, WAN, or even the Internet. Programmers can design custom Web pages using Crestron VisionTools Pro-e® and upload the pages directly to the Web server, allowing any authorized computer running Microsoft Internet Explorer to take control of the local AV devices. VisionTools Pro-e makes Web-based graphical user interface development simple, eliminating the need to purchase third-party Web page design software.

In fact, with Crestron e-Control 2™ XPanel technology, Web pages have the same look and feel as TPS touchpanel pages,

with the same outstanding runtime performance. e-Control 2 also generates standalone XPanel programs that users can launch from their Windows desktop or from Windows PocketPC 2002 PDA devices and Windows Tablet PCs. With built-in support for SSL, Secure Sockets Layer, users can feel confident knowing that their e-Control 2 connection to the control system is secure and private.

As with all Crestron 2-Series systems, the QM-RMC supports SNMP (Simple Network Management Protocol), allowing network monitoring via IT management software packages such as Hewlett Packard OpenViewTM. The QM-RMC itself as well as any AV device connected to the QM-RMC can generate an SNMP trap, or event notification-from projector status to room occupancy.

The QM-RMC supports all Crestron e-Control Power Applications, including RoomView(tm) Facility Management Software. With RoomView, organizations can monitor multiple room AV controllers on an integrated Ethernet network, in real time, from any network PC.

> *Low-cost, high-performance control of serial, IR and Ethernet devices over IP networks*
> *2-Series processor built on Motorola's 32-bit ColdFire® technology*
> *2 RS-232 ports for projector, codecs, switcher control*
> *1 IR/serial port for DVD, VCR, display control*
> *4 digital input ports-great for use with room occupancy sensors*
> *1 10/100 Ethernet port*
> *Built-in Web server for remote Web browser/XPanel control*
> *DHCP/DNS enabled with SSL (Secure Sockets Layer)*
> *Built-in SNMP, TCP and UDP support*
> *VisionTools Pro-e® and SIMPLTM Windows development software for quick and easy GUI and program creation*
> *Power supply included*

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Crestron QM-RMC Control System and Ethernet-to-Serial Interface

Digital Signal Processor

CPU: 32-bit Motorola ColdFire® Microprocessor

Memory

4MB Flash
32MB SDRAM
256KB NVRAM

Connectors

COM: (2) DB9
2-way RS-232

Digital inputs: (4) 5-pin mini Phoenix
Schmidt trigger type (nominal 2.5V threshold) with 24V input tolerance

IR: (1) 2-pin mini Phoenix
IR, TTL Level, 1-way RS-232
IR output up to 1.2 MHz

Ethernet: (1) RJ-45
10/100BaseT full duplex

Power: 12VDC power jack (power supply included)

Reset Buttons

HW-R: Hardware reset (reboots the control system)
SW-R: Software reset (reloads the logic program)

LED Indicators

PWR: Green power LED

ACT: Yellow device communication LED

COM A/COM B: COM port activity LED

IR: IR port activity LED

Input: Active digital input LED

Power Requirements

6W (0.5A @ 12VDC)
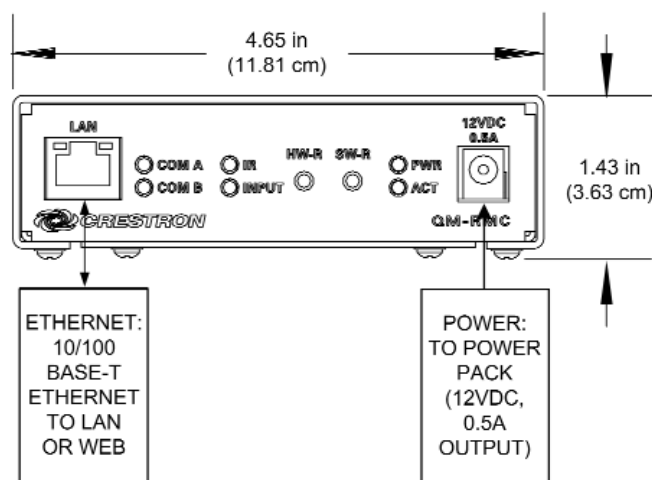Power supply included
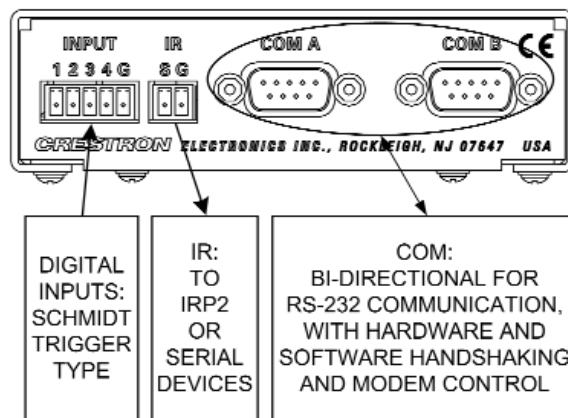
Dimensions

Height: 1.43 in (3.63 cm)

Width: 4.65 in (11.81 cm)

Depth: 5.24 in (13.30 cm)

Front Panel

4.65 in
(11.81 cm)

1.43 in
(3.63 cm)

ETHERNET:
10/100
BASE-T
ETHERNET
TO LAN
OR WEB

POWER:
TO POWER
PACK
(12VDC,
0.5A
OUTPUT)

Rear Panel

DIGITAL
INPUTS:
SCHMIDT
TRIGGER
TYPE

IR:
TO
IRP2
OR
SERIAL
DEVICES

COM:
BI-DIRECTIONAL FOR
RS-232 COMMUNICATION,
WITH HARDWARE AND
SOFTWARE HANDSHAKING
AND MODEM CONTROL