

QM-WCC-2

QuickMedia® Wall Plate Computer Center, Dual Input

Crestron® MediaManager is a comprehensive family of affordable products fusing high-performance AV signal distribution, device control, and facility-wide system management. MediaManager simplifies the art of Pro AV system design and installation with complete hardware, software, and low-cost wiring solutions. Whether installing a single boardroom or a campus-wide network of AV systems, MediaManager delivers power and value far beyond conventional products and designs.

The QM-WCC-2 QuickMedia Wall Plate Computer Center provides a dual-input wall mount computer interface solution for any MediaManager system, including applications ranging from small conference rooms to large banquet halls and auditoriums.

Wall Mount Computer Interface

The QM-WCC-2 installs cleanly in a standard electrical box or trim ring. Dual RGB and stereo audio inputs are provided to accept connections from two separate computers or other RGB sources. Buffered monitor pass-thru connectors are also provided, allowing the RGB input signals to be fed to local monitors.

Connectivity for LAN and other signals can easily be added by ganging the QM-WCC-2 together with other 3rd-party wall plate devices. A Crestron C2N-DB or C2N-CBD series keypad may also be installed for a truly complete multimedia interface and control solution. Wiring for the QM-WCC-2 is extremely simple requiring just a single CresCAT® QM cable (sold separately).

AV Switcher

The built-in 2X1 switcher includes audio breakaway to allow the two PC audio inputs to be switched independent of their corresponding RGB inputs, or linked with them. Built-in video sensing on each RGB input can be utilized to trigger automatic input selection and power control.

Gated Mic Preamp (Optional)

Two gated microphone inputs may be added using the QM-WMIC Microphone Input Module (sold separately). Via two Neutrik® Combo connectors, the QM-WMIC supports both dynamic and condenser type microphones with software switchable 48V phantom power available at both XLR inputs. Balanced or unbalanced line-level sources can also be accommodated using the 1/4" TRS connections. Input gain and gating controls for each microphone/line input are fully adjustable at setup, and can also be controlled in real-time from a keypad or touchpanel.

QuickMedia® Transport

Using the revolutionary QuickMedia transport, all input signals are transmitted from the QM-WCC-2 to any QuickMedia Receiver or Distribution Center over a single inexpensive CAT5e type cable^[1]. Computer resolutions up to 1920 X 1200 pixels at 60Hz are supported over cable runs up to 450 feet. Audio signals are transmitted digitally with high-performance 24-bit resolution. QuickMedia dramatically simplifies system design and installation, affording a higher level of performance at a lower overall cost.

MediaManager System Integration

Whether using just one Wall Plate Computer Center or several, complete system operation can be made transparent to the end-user with all signal routing occurring smoothly under the command of the MediaManager control system. Complete MediaManager systems are easy to design, program and adjust from start to finish using Crestron



SystemBuilder™ software.

- > Wall mount QuickMedia computer interface
- > Single-cable signal transmission up to 450 feet
- > Dual DB15HD RGB computer inputs
- > Buffered RGB monitor pass-thrus
- > 2 stereo audio inputs
- > Video input signal sensing
- > 2x1 input switching with audio breakaway
- > Compatible with QM-WMIC Mic Input Module
- > QuickMedia transport | Cresnet communications
- > Low-cost, quick and easy installation
- > Integrates with Crestron Cameo and Decorator keypads
- > Installs alongside 3rd-Party LAN jacks and other devices
- > Available in white or black
- > Easy setup using Crestron SystemBuilder software

SPECIFICATIONS

Video

Signal Types: RGB or component video (adapter required)

RGB Formats: RGBHV, RGBS, or RGsB

Gain: 0dB (75 ohms terminated)

Maximum Resolution: 1920 x 1200 @ 60Hz (at unity gain) with maximum cable length of 450 feet and maximum compensation at receiver

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Audio

A-D Conversion: 24-bit, 48 kHz
Frequency Response: 20Hz to 20kHz

Communications

QuickMedia: QM origination point device^[1]
Cresnet: Cresnet slave device

Connectors - Front Panel

PC 1 - 2: (2) DB15HD female, RGB(VGA) inputs;

Formats: RGBHV, RGBS, RGsB;

Input Impedance: 75 Ohms;

H Sync Impedance: 1k Ohms;

V Sync Impedance: 2.2k Ohms;

Maximum Input Level: 1 Vp-p;

Maximum Sync Level: 5 Vp-p;

Signal sensing on H and Gs

AUDIO (pc 1 - 2): (2) 3.5mm TRS mini phone jacks;

Unbalanced stereo line-level audio inputs;

Input Impedance: 10k Ohms;

Maximum Input Level: 1 Vrms

MONITOR 1 - 2: (2) DB15HD female, buffered RGBHV pass-thrus

Connectors - Rear Panel

QM: (1) 8-wire RJ45 female, QuickMedia output port;
Connects to QM input port of any QuickMedia device via CresCAT-QM or CresCAT-IM cable^[1]

NET: (2) 4-pin 3.5mm detachable terminal blocks;

Cresnet slave ports, paralleled; connect to Cresnet control network via CresCAT-QM or Cresnet cable

GROUND: (1) Flying lead, grounding wire

TO MIC: (1) 14-pin header;

Accepts connection from optional QM-WMIC (sold separately)

Controls & Indicators

PWR: (1) green LED, indicates 24 Volts DC power supplied from Cresnet network

NET: (1) yellow LED, indicates communication with Cresnet system

SETUP: (1) miniature pushbutton and red LED, used for touch-settable ID (TSID)

PC 1: (1) red LED, indicates a signal at the PC 1 input

PC 2: (1) red LED, indicates a signal at the PC 2 input

Power Requirements

Cresnet Power Usage : 6 Watts (0.25 Amp @ 24 Volts DC);

9 Watts (0.38 Amp) with QM-WMIC installed

Environmental

Temperature: 41° to 104°F (5° to 40°C)

Humidity: 10% to 90% RH (non-condensing)

Heat Dissipation: 21 BTU/Hr

Enclosure

Construction: Metal with black finish

Flush Wall Mount: 2-gang mountable in a standard electrical box (2-1/2 inch deep minimum); requires decorator style faceplate (not included)

Dimensions

Height: 4.12 in (105 mm)

Width: 3.50 in (89 mm)

Depth: 2.52 in (64 mm)

Weight

9.6 oz (274 g)

Available Models

QM-WCC-2-B-T: QuickMedia® Wall Plate Computer Center, Dual Input, Black

QM-WCC-2-W-T: QuickMedia® Wall Plate Computer Center, Dual Input, White

Available Accessories

CRESCAT-QM-NP-SP500: QuickMedia® Cable, Low-skew CAT5e & Cresnet, non-plenum, 500 ft spool

CRESCAT-QM-P-SP500: QuickMedia® Cable, Low-skew CAT5e & Cresnet, plenum, 500 ft spool

QM-WMIC: Microphone Input Module

Notes:

1. For QuickMedia wiring use CresCAT-QM, CresCAT-IM, or quality CAT5e/CAT6 cable with a delay skew of =15ns per 100m; the maximum aggregate cable length and delay skew between any QM transmitter (origination point) and QM receiver (endpoint) is 450 ft (137 m) and 22 ns; a maximum of two QM midpoint devices may be inserted in a given QM signal path; exceptions apply, refer to each respective product manual for full detail.

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