QM-FTCC

QuickMedia® FlipTop Computer Center

As the perfect front end for Crestron's MediaManager family of low-cost AV distribution products, the ingenious QuickMedia® FlipTop line provides a range of elegant, integrated multimedia interface and control solutions in a stylish flush-mount tabletop design.

FlipTop Housing

Handsomely finished in either black anodized or brushed aluminum, the QM-FTCC mounts flush in any tabletop surface for a clean, professional appearance. The sleek design of the "FlipTop" lid features an integrated keypad to provide programmable pushbutton control at every interface location. Wiring for the QM-FTCC is extremely simple requiring just a single **CresCAT?QM** cable (sold separately).

Computer Interface

Inputs are provided for one RGB/component signal with corresponding stereo audio to accept a connection from a computer or other high-resolution source. For complete connectivity, the QM-FTCC also includes an RJ45 LAN pass-thru connector and AC power receptacle.

Integrated Keypad

The customizable keypad provides 10 to 20 programmable pushbuttons for control of AV, lighting, and other functions. All button caps are engravable and include LED feedback indicators. Two LED bargraphs are also provided to display level settings and other parameters. To prevent accidental button presses, the keypad is automatically disabled whenever the lid is not

fully opened.

Gated Mic Preamp

Two gated microphone inputs are included via terminal block connectors located below the table surface. Both dynamic and condenser type microphones are supported with software switchable 48V phantom power available at both microphone inputs. Balanced or unbalanced line-level sources such as wireless microphones can also be accommodated. 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 Crestron's revolutionary QuickMedia transport, all input signals are transmitted from the QM-FTCC to any QuickMedia Receiver or Distribution Center over a single inexpensive CAT5e type cable*. 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 FlipTop Box 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. Built-in video sensing can be utilized to trigger automatic input selection and power control. Complete MediaManager

systems are easy to design, program and adjust from start to finish using Crestron **SystemBuilder?** software.

> *Stylish flush-mount FlipTop housing*
> *RGB/component input with stereo audio*
> *Dual-channel gated mic/line preamp*
> *Video sensing | Auto-switching*
> *Integrated keypad w/dual bargraphs*
> *LAN pass-thru port and AC power outlet*
> *QuickMedia transport | Cresnet communications*
> *Low-cost, quick and easy installation*
> *Easy setup using Crestron SystemBuilder software*
> *Optional cable management kit*

SPECIFICATIONS

Video

Signal Types: RGB and component video†
RGB Formats: RGBHV, RGBS, or RGsB
Video/HDTV Formats: NTSC or PAL, HDTV up to 1080i/1080p†
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

Audio

Features: stereo audio input, 2-channel gated mic preamp
Mic Input Gain: 0 to 100 % (40dB range) plus mute
Gate Level (Threshold): 0 to 100 %
Attack: 0 to 100 mS
Decay (Release): 0 to 5000 mS
A-D Conversion: 24-bit, 48 kHz
Frequency Response: 20Hz to 20kHz

CRESTRON

Buttons & Indicators

Keypad: Programmable keypad allowing variable combinations of large and small engravable buttons, 10 minimum (all large) to 20 maximum (all small); ships with 10 large buttons (small buttons and engraving sold separately)
Button Feedback: (1) red LED per button, programmable
Bargraphs: (2) red 8-segment LED bargraphs, programmable
PWR: (1) green LED, indicates 24 Volts DC power supplied from Cresnet control network
NET: (1) yellow LED, indicates communication with Cresnet system
SETUP (bottom): (1) miniature pushbutton and red LED, used for touch-settable ID (TSID)

Connectors - Front Panel

COMPUTER: (1) DB15HD female;
RGB(VGA)/component video† input;
Formats: RGBHV, RGBS, RGsB, YPbPr;
Input Impedance: 75 ohms;
H/V Sync Impedance: 1k ohms;
Maximum Input Level: 1 Vp-p;
Maximum H/V Sync Level: 5 Vp-p;
Signal sensing on H, Y, and Gs

AUDIO: (1) 3.5mm TRS mini phone jack;
Unbalanced stereo line-level audio input;
Maximum Input Level: 1 Vrms;
Input Impedance: 10k ohms

LAN: (1) 8-pin RJ45 female;
Ethernet LAN pass-thru jack

125V: (1) Grounded AC socket, AC power pass-thru outlet;
Maximum Load: 10 Amps @ 125 Volts AC, 50/60 Hz

Connectors - Bottom Panel

MIC/LINE 1 - 2: (2) 5-pin 3.5mm detachable terminal blocks;
Balanced microphone/line inputs;
Balanced Mic Input Level: -60 to -20 dBV nominal;
Balanced Line Input Level: -28 to +12 dBV; 4 Vrms maximum;
Unbalanced Line Input Level: -34 to +6 dBV; 2 Vrms maximum;
Mic Input Impedance: 10k ohms, accepts 60 to 600 ohm source;
Line Input Impedance: 22k ohms balanced, 11k ohms unbalanced;
Phantom Power: 10 mA (total) @ 48 Volts DC, software enabled to both MIC inputs

LAN: (1) 8-pin RJ45 female;
Passes through to front panel LAN jack

125V: (1) 9 ft grounded AC line cord;
Passes through to front panel AC power outlet

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*

NET: (2) 4-pin 3.5mm detachable terminal blocks;
Cresnet slave ports, paralleled;
Connect to Cresnet control network via **CresCAT-QM** or **Cresnet** cable

G: (1) 6-32 screw, chassis ground lug

Power Requirements

Cresnet Power Usage: 8 Watts (0.33 Amp @ 24 Volts DC)

Environmental

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

Depth: 5.71 in (14.50 cm) without mounting brackets

Weight

4.05 lbs (1.84 kg)
* *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.*

† *Component video or HDTV may require a suitable VGA-to-component adapter or breakout cable, not provided.*

Available Models

QM-FTCC-B: QuickMedia FlipTop Computer Center with keypad, black anodized. For custom engraving, see Configuration and Ordering Guide [Discontinued]
QM-FTCC-BALUM: QuickMedia FlipTop Computer Center with keypad, brushed aluminum. For custom engraving, see Configuration and Ordering Guide [Special Order] [Discontinued]

Included Accessories

FT-BTNB-L_ENGRAVED [6002543]: Single Large Engravable Button Cap (blank) [Limited Supply] [Included Quantity: 10]

Available Accessories

CRESCAT-QM-NP-SP500 [6500606]: QuickMedia® Cable, Low-skew CAT5e & Cresnet, non-plenum, 500 ft spool [Limited Supply]
CRESCAT-QM-P-SP500 [6500439]: QuickMedia® Cable, Low-skew CAT5e & Cresnet, plenum, 500 ft spool [Limited Supply]
QM-FTCMK [6500647]: FlipTop Cable Management Kit [Limited Supply]
FT-BTNB-L_ENGRAVED [6002543]: Single Large Engravable Button Cap [Limited Supply]
FT-BTNB-S-2-BTN-KIT-ENGRAVED [6002545]: Dual Small Engravable Button Caps [Limited Supply]
CBL-AUDIO-1.5 [6503518]: Crestron® Certified Mini-TRS Stereo Audio Interface Cable, 1.5 ft
CBL-AUDIO-12 [6503521]: Crestron® Certified Mini-TRS Stereo Audio Interface Cable, 12 ft
CBL-AUDIO-3 [6503519]: Crestron® Certified Mini-TRS Stereo Audio Interface Cable, 3 ft
CBL-AUDIO-6 [6503520]: Crestron® Certified Mini-TRS Stereo Audio Interface Cable, 6 ft
CBL-VGA-1.5 [6503489]: Crestron® Certified Computer VGA Interface Cable, 1.5 ft
CBL-VGA-12 [6503492]: Crestron® Certified Computer VGA Interface Cable, 12 ft
CBL-VGA-25 [6503493]: Crestron® Certified Computer VGA Interface Cable, 25 ft
CBL-VGA-3 [6503490]: Crestron® Certified Computer VGA Interface Cable, 3 ft
CBL-VGA-6 [6503491]: Crestron® Certified Computer VGA Interface Cable, 6 ft
CBL-VGA-AUD-3 [6503496]: Crestron® Certified Computer VGA Interface Cable w/Audio, 3 ft
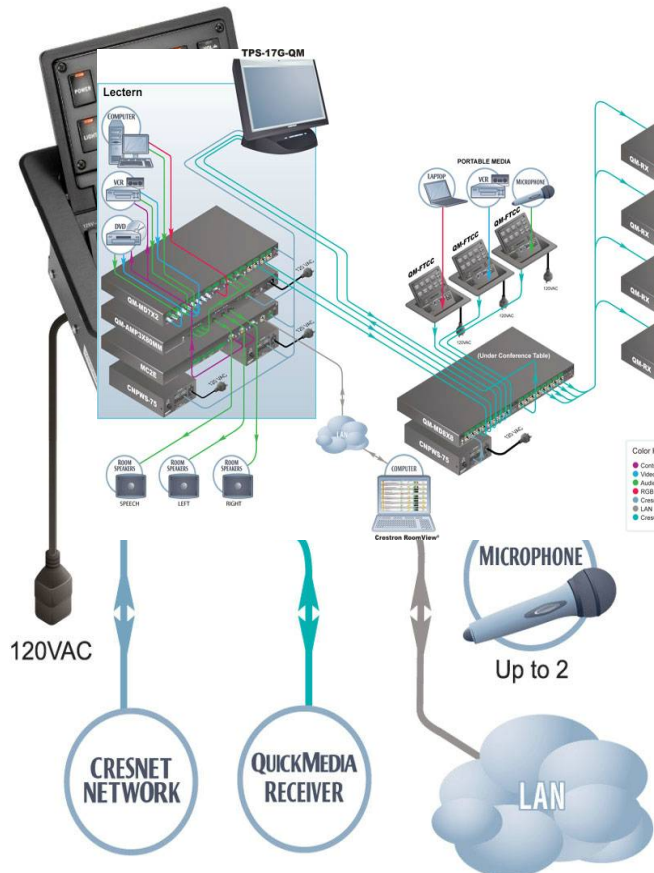**CBL-VGA-AUD-6 [6503498]:** Crestron® Certified Computer VGA Interface Cable w/Audio, 6 ft
CBL-VGA-AUD-12 [6503499]: Crestron® Certified Computer VGA Interface Cable w/Audio, 12 ft
CBL-VGA-AUD-25 [6503500]: Crestron® Certified Computer VGA Interface Cable w/Audio, 25 ft

Typical QM-FTCC Connections

DigitalMedia: Commercial Conference Room with MPS, QM and DM Components
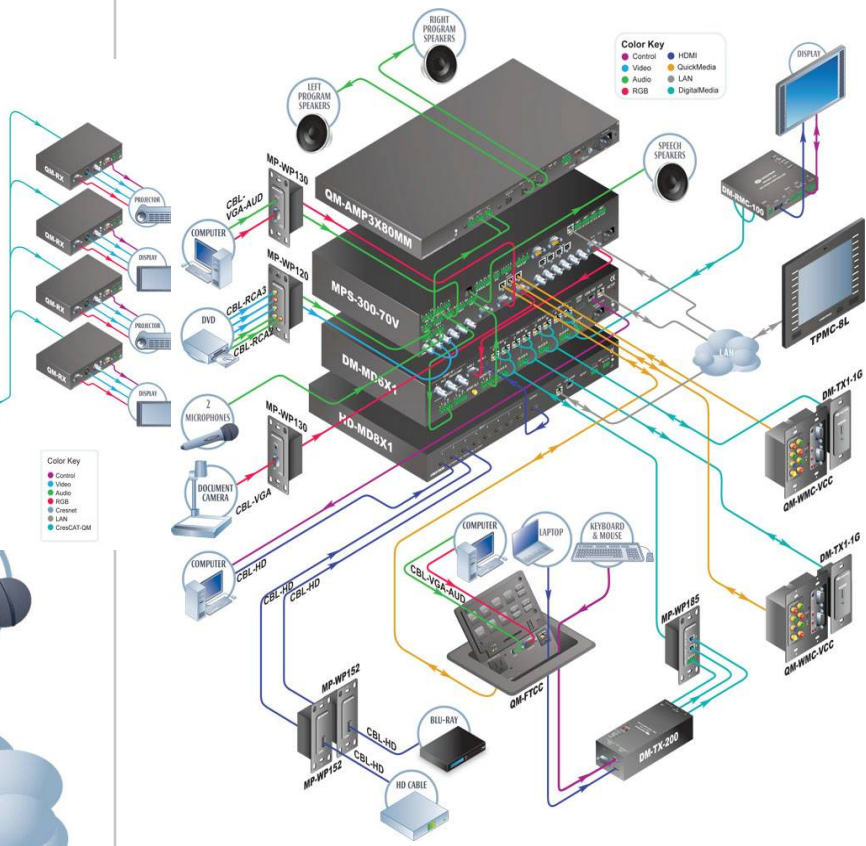
TPS-17G-QM - Conference Room Application

Top

6.75 in
(17.14 cm)

5.08 in
(12.9 cm)

5.71 in
(14.5 cm)

Bottom

30° Angle

Front

5.22 in
(13.24 cm)

6.25 in
(15.87 cm)

Side

4.64 in
(11.78 cm)

5.21 in
(13.23 cm)

Back

2.32 in
(5.88 cm)

4.32 in
(10.96 cm)

5.39 in
(13.69 cm)
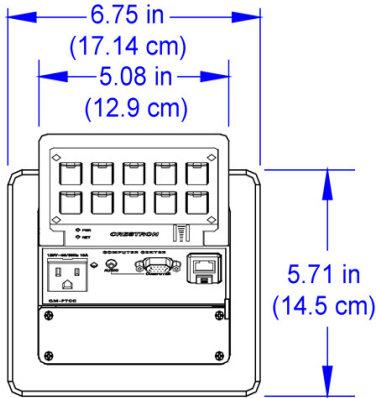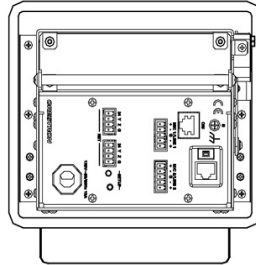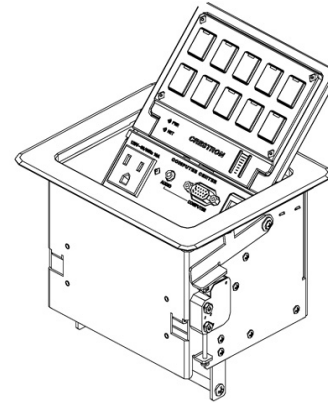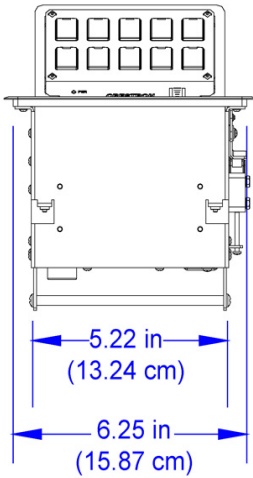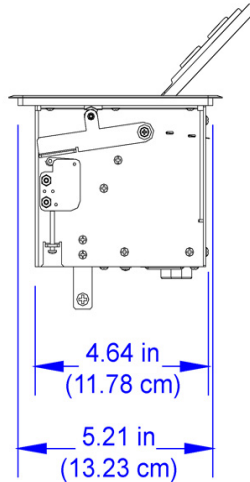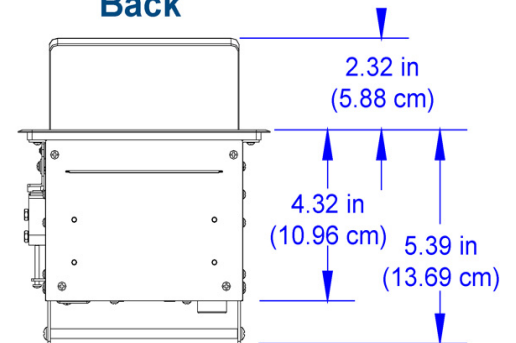
With Mounting Hardware

Front

Side

7.21 in
(18.32 cm)

Back