

QM-FTCC FlipTop Computer Center



The QM-FTCC provides a stylish flush-mount tabletop interface and control solution as the front end for a MediaManager™ AV presentation system. A single RGB input provides connectivity for computers with output resolutions up to 1600 X 1200. A mini stereo phone jack is also included to receive the computer's audio signal. For complete connectivity, the QM-FTCC also includes an RJ45 LAN pass-thru connector and AC power receptacle.

Integrated into the QM-FTCC's flip top lid is a sleek pushbutton control panel, providing 10 to 20 programmable pushbuttons for control of AV, lighting, and other functions. To prevent accidental button presses, the keypad is disabled whenever the lid is not fully opened. All button caps are engravable and include LED feedback indicators. Two LED bargraphs are also provided to display level settings and other parameters.

Two gated microphone inputs are also 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.

Audio signals are converted to 24-bit digital and transmitted along with the RGB signal to any QuickMedia Receiver or Distribution Center over a single CAT5e or CAT6 cable* via Crestron's exclusive QuickMedia™ transport. 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 on every input can be

utilized to trigger automatic input selection and system power control.

Handsomely finished in either black anodized or brushed aluminum, the QM-FTCC mounts flush in any tabletop surface for a clean, professional appearance. Wiring is extremely simple requiring just one CAT5e or CAT6 cable* and one Cresnet control cable (available together as CresCAT™QM, sold separately).

Complete MediaManager systems can be configured easily for a variety of applications using Crestron System Builder™ software.

AVAILABLE MODELS

QM-FTCC-B

FlipTop Computer Center, Black Anodized

QM-FTCC-BALUM

FlipTop Computer Center, Brushed Aluminum

SPECIFICATIONS

Connectors - Front Panel

COMPUTER: (1) DB15HD female
RGBHV (VGA) input
75 ohms terminated (R/G/B)
Maximum input voltage: 1V p-p
Maximum H and V Sync: 5.0V p-p into 620 ohms
Video sync detection on H-SYNC

COMPUTER 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) 3-prong grounded AC socket
Grounded AC power pass-thru outlet
Maximum load: 10 Amps @ 120 Volts AC

Connectors - Bottom Panel

MIC/LINE 1 - 2: (2) 5-pin 3.5mm detachable terminal blocks
(2) Balanced microphone/line inputs
Balanced mic input level: -60 to -20 dBV nominal
Balanced line input level: -20 to +12 dBV; 4 Vrms maximum
Unbalanced input level: -20 to +6 dBV; 2 Vrms maximum

AVAILABLE ACCESSORIES

- **QM-FTCMK**
FlipTop Cable Management Kit

FlipTop Computer Center **QM-FTCC**

Mic input impedance: 10k ohms, accepts balanced microphones
60 to 600 ohms
Line input impedance: 4k ohms (balanced), 2k ohms (unbalanced)
Phantom power: 10 mA (total) @ 48 Volts DC, software enabled to both inputs

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

125V: (1) IEC Socket
Mates with removable power cord, included
Passes through to front panel AC power outlet

QM: (1) 8-wire RJ45 female
QuickMedia output port
Connects via CAT5e/6* to QM input port of another QuickMedia device

NET: (1) 4-pin 3.5mm detachable terminal block
Cresnet slave port
Connects to Cresnet control network

Buttons

Keypad: (10 - 20) replaceable engravable buttons, programmable

LED Indicators

Button feedback: (1 per button, red) programmable
Bargraphs: (2, red) 7-segment programmable bargraphs
PWR: (green) Indicates 24 Volts DC power supplied from Cresnet control network
NET: (yellow) Indicates communication with Cresnet system

RGB

Gain (R/G/B): 0dB (75 ohm termination)
Maximum resolution/refresh rate: 1600x1200 @ 60Hz
(at unity gain)
With cable length of 100 meters and max compensation at receiver
Maximum CAT5e/6 cable delay skew: 15ns per 100 meters

Stereo Audio and 2-Channel Gated Mic Preamp

Mic level indicators (via software): 20dB below clipping (Norm), 6dB below clipping (Overload)
Mic input gain: 0 to 100 % (0 to 40 dB) plus mute
Gate level (threshold): 0 to 100 %
Attack: 1 to 100 mS
Decay (release): 1 to 5000 mS
A-D Conversion: Burr Brown 24-bit, 48 kHz
Frequency response: 20Hz to 20kHz

Power Requirements

Cresnet Power Factor: (To be determined)

Environmental

Temperature: 41° to 104°F (5° to 40°C)
Humidity: 10% to 90% RH (non-condensing)

Enclosure

Black painted metal with black anodized or brushed aluminum cover
Flush tabletop mountable

Dimensions

Height: 5.39 in (13.69 cm)

Width: 6.75 in (17.15 cm)
Depth: 5.71 in (14.50 cm)

Weight

(To be determined)

** CAT5e/CAT6 cable must have a delay skew of less than 15nS per 100m for use with the QuickMedia transport; purchase CresCAT-QM for the most cost-effective cabling solution; maximum aggregate cable length is 300 feet from QM transmitter to QM receiver; a maximum of two QM distribution centers may be inserted inline.*

