

### QM-FTDC FlipTop Data Center



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-FTDC 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-FTDC-B

FlipTop Data Center, Black Anodized

##### QM-FTDC-BALUM

FlipTop Data 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:** (2) 8-pin RJ45 female

(2) Ethernet LAN pass-thru jacks

**PHONE:** (2) 6-pin RJ11 female

Telephone pass-thru jacks

**125V:** (1) 3-prong grounded AC socket

Grounded AC power pass-thru outlet

Maximum load: 10 Amps @ 120 Volts AC

The QM-FTDC 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. In addition, the QM-FTDC delivers extended connectivity for tabletop conferencing equipment and other devices, providing two RJ11 and two RJ45 pass-thru connectors to accommodate phone, LAN, and other data signals. An AC power receptacle is also included.

Integrated into the QM-FTDC'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

#### AVAILABLE ACCESSORIES

- QM-FTCMK  
FlipTop Cable Management Kit

#### 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  
 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:** (2) 8-pin RJ45 female  
 Pass through to front panel LAN jacks

**PHONE:** (2) 6-pin RJ11 female  
 Passes through to front panel telephone jacks

**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)  
**Max resolution/refresh rate:** 1600x1200 @ 60Hz (at unity gain)  
 With cable length of 100 meters and maximum 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.*

