

3.6" QuickMedia™ FlipTop Touchpanel 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-TPS4 mounts flush in any tabletop surface for a clean, professional appearance. The sleek design of the flip top lid features an integrated color touchpanel to enable complete system control at every interface location. Wiring for the QM-FTCC-TPS4 is extremely simple requiring just a single CresCAT™QM cable (sold separately).

Integrated Touchpanel—The bright 3.6" active matrix color touchscreen provides a fully-customizable user interface for control of AV, lighting, and other functions. With 16-bit Isys® graphics, the QM-FTCC-TPS4 produces astounding 3D graphics, dynamic text, and full-motion animations complete with WAV file audio feedback. Ten programmable pushbuttons are also included featuring translucent buttons with white LED backlighting and engravable faceplate. To prevent accidental button presses, the touchpanel and pushbuttons are automatically disabled whenever the lid is not fully opened.

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-TPS4 also includes an AC power receptacle.

Cable Storage Compartment—Connectivity for computer signals is facilitated using easy pull-out RGB and audio cables (included), which attach to inputs hidden beneath the table surface and stow neatly within the FlipTop compartment when not in use. Excess cable simply drops out-of-sight below the box through grommets holes provided in the bottom plate. Network connectivity is easily included using any third-party LAN cable.

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 the touchpanel.

QuickMedia™ Transport—Using Crestron's revolutionary QuickMedia transport, all input signals are transmitted from the QM-FTCC-TPS4 to any QuickMedia Receiver or Distribution Center over a single inexpensive CAT5e or CAT6 cable*. Computer resolutions up to 1600 X 1200 pixels at 60Hz are supported over cable runs up to 328 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 can be configured easily for a variety of applications using Crestron SystemBuilder™ software.

- > Stylish flush-mount FlipTop housing
- > Integrated 3.6" active matrix color touchpanel
- > 16-Bit Isys graphics | 320 x 240 resolution
- > 10 translucent white backlit pushbuttons
- > WAV file audio feedback
- > RGB/component and audio interface
- > Dual-channel gated mic/line preamp
- > Video sensing | auto-switching
- > Easy pull-out VGA cable management
- > AC power outlet and LAN cable pass-thru
- > QuickMedia Transport | Cresnet and Ethernet communications
- > Easy setup using Crestron SystemBuilder software
- > Low-cost, quick and easy installation

AVAILABLE MODELS

QM-FTCC-TPS4-B

3.6" QuickMedia FlipTop Touchpanel Computer Center, Black Anodized

QM-FTCC-TPS4-BALUM

3.6" QuickMedia FlipTop Touchpanel Computer Center, Brushed Aluminum

SPECIFICATIONS

Touchpanel

Display Type: Active matrix color LCD
Size: 3.6 inch (9.1 cm) diagonal
Resolution: 320 x 240 pixels
Color Depth: 18-bit, 262,144 colors
Brightness: 300 nits (cd/m²)
Contrast: 300:1
Illumination: Edgelit fluorescent
Viewing Angle: ±80° horizontal, +80°/-50° vertical

Processor

CPU: 32-Bit Freescale Coldfire® Microprocessor
Processing Speed: 96 MIPS

Memory

8 MB Flash, 16 MB DDR RAM

Graphic Engine

16 Bit non-palette graphics; 65,536 colors; Synapse image rendering algorithm

Crestron QM-FTCC-TPS4 3.6" QuickMedia™ FlipTop Touchpanel Computer Center

Ethernet

10/100BaseT, full duplex, IEEE 802.3u compliant

Buttons

Keypad: (10) translucent pushbuttons, white LED backlit, programmable

Reset: Hard reset via small hole above touchscreen, reboots the touchpanel

SETUP (bottom): Used for touch-settable ID (TSID)

LED Indicators - Bottom Panel

PWR: (green) Indicates 24 Volts DC power supplied from Cresnet control network

NET: (yellow) Indicates communication with Cresnet system

SETUP: Used for touch-settable ID (TSID)

Audio - Touchpanel

Audio Feedback (WAV): 8 bit PCM, mono, 8 kHz sampling rates

Amplification: 1 Watt for built-in speaker

Audio - QM

Mic Level Indicators (via software): 20dB below clip (Norm), 6dB below clip (Overload)

Mic Input Gain: 0 to 100 % (0 to 40 dB) plus mute

Gate Level (Threshold): 0 to 100 %

Attack: 0 to 100 mS

Decay (Release): 0 to 5000 mS

A-D Conversion: Burr Brown 24-bit, 48 kHz

Frequency Response: 20Hz to 20kHz

RGB/Component/HDTV (QM)

Gain: 0dB (75 ohm termination)

Maximum Resolution: 1600 x 1200 @ 60Hz (at unity gain) with cable length of 100 meters and maximum compensation at receiver

EDTV/HDTV Formats: Supports up to 720p and 1080i

Connectors - Front Panel

125V: (1) 3-prong grounded AC socket, AC power pass-thru outlet

Maximum Load: 10 Amps @ 125 Volts AC, 50/60 Hz

Connectors - Bottom Panel

COMPUTER: (1) DB15HD female, RGB(VGA)/Component video input

Formats: RGBHV, RGBS, RGsB, YPbPr

Input Impedance: 75 ohms (R/P_R, G/Y, and B/P_B), 1k ohms (H and V)

Maximum Input: 1 V_{P-P} (R/P_R, G/Y, and B/P_B), 5 V_{P-P} (H and V)

Signal detection on H, Y, and G_s

Connects to 6' VGA cable (included)

AUDIO: (1) 3.5mm TRS mini phone jack

Unbalanced stereo line-level audio input

Maximum Input Level: 1 V_{RMS}

Input Impedance: 10k ohms

Connects to 6' audio cable (included)

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: -28 to +12 dBV; 4 V_{RMS} maximum

Unbalanced Input Level: -34 to +6 dBV; 2 V_{RMS} maximum

Mic Input Impedance: 10k ohms, accepts balanced microphones 60 to 600 ohms

Line Input Impedance: 22k ohms (balanced), 11k ohms (unbalanced)

Phantom Power: 10 mA (total) @ 48 Volts DC, software enabled to both inputs

ETHERNET: (1) 8-wire RJ45 with 2 LED indicators; 10/100BaseT Ethernet port

Green LED indicates link status, Yellow LED indicates Ethernet activity

125V: (1) 6' Grounded 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 another QuickMedia device via CresCAT-QM or CAT5e/6*

NET: (2) 4-pin 3.5mm detachable terminal blocks, Cresnet slave ports, paralleled

Connect to NET ports of other Crestron devices via CresCAT-QM or Cresnet cable

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

Power Requirements

Cresnet Power Usage: 9 Watts (0.38 Amps @ 24 Volts DC)

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; integrated touch-panel and keypad with engravable faceplate, cable management; flush tabletop mountable

Dimensions

Height: 5.74 in (14.58 cm) – with lid closed

Width: 7.67 in (19.48 cm)

Depth: 6.54 in (16.61 cm) – without mounting brackets

Weight

(TBD)

* For QuickMedia wiring use CresCAT-QM or quality CAT5e/CAT6 cable; the maximum aggregate cable length and delay skew between any QM transmitter (origination point) and QM receiver (endpoint) is 328 ft (100m) and 22 nS (15 nS if using a QM-RMCRX receiver); 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).

