TPMC-9

9" Tilt Touch Screen

> *Sleek, contoured design for tabletop use*

> *Elegant smooth black or white, or textured black finishes*

> *Generous 9" widescreen color touch screen*

> *800 x 480 WVGA display resolution*

> *Smart Graphics™ support*

> *H.264 streaming video*

> *Wired composite video input*

> *Crestron IP intercom*

> *Customizable audio feedback*

> *Built-in microphone and speakers*

> *Crestron Home® CAT5 video connectivity*

> *High-speed Ethernet and Cresnet® communications*

> *Built-in USB port for direct program upload*

> *Up to 45 degree tilt adjustment[1]*

> *Low-profile single-wire connection*

The TPMC-9 Tilt Touch Screen from Crestron® delivers high-end style and performance in a striking tabletop design. Sleek and compact, the TPMC-9 features a generous 9" widescreen display with advanced touch screen graphics, IP intercom, audio feedback, and H.264 video.

Advanced Touch Screen Control

A Crestron touch screen offers an ideal user-interface for controlling all the technology in your home, boardroom, classroom, courtroom, or command center. Touch screens do away with piles of remote controls, cluttered wall switches, and cryptic computer screens, simplifying and enhancing the way you use technology. For controlling audio, video, lighting, shades, HVAC, security, and other systems, Crestron touch screens are fully-customizable with easy-to-use controls and icons, true feedback and real-time status display, full-motion video windows, and advanced navigation of digital media servers, tuners, and other devices.

Smart Graphics™

Crestron touch screens use Smart Graphics to deliver the ultimate user experience *and* the ultimate value by enabling the creation of dynamically rich user interfaces with incredible efficiency and unparalleled functionality. Using Smart Graphics, programmers can swiftly integrate fluid gesture-driven controls, animated feedback, metadata, embedded apps, and full-motion video for a deeply engaging and ultra-intuitive touch screen experience.

Crestron Smart Graphics include the following enhancements:

- Cool-looking graphical buttons, sliders, knobs, and gauges are intuitive and fun to use.
- Kinetic effects enhance the feeling of realism with lists and toolbars that scroll with momentum at the flick of a fingertip.
- Drag-and-drop objects snap into place offering an easy way to switch sources.
- Dashboard widgets personalize the touch screen with clocks, weather, news, and other information.

- Customizable themes allow a completely different look and feel for every user, event, or season.
- Fully-developed SmartObjects™ enable sophisticated control over complex devices with minimal programming.

Integrated Video

Streaming video capability makes it possible to view security cameras and other video sources right on the touch screen. Native support for H.264 and MJPEG formats allows the TPMC-9 to display live streaming video from an IP camera, a streaming server (Crestron CEN-NVS200[1] or similar), a DigitalMedia™ switcher, or a Capture HD® system. Streaming video is delivered to the touch screen over Ethernet, eliminating the need for any extra video wiring. A wired video input is also provided to allow viewing of a composite video source. Video images can be displayed full frame or in fully-scalable windows anywhere on the touch screen.

IP Intercom

Equipped with integrated speakers and microphone, the TPMC-9 allows touch screen-to-touch screen voice communication and room monitoring via IP over Ethernet, eliminating the need for any special audio wiring, switchers, or programming.

Audio Feedback

Customized audio files can be loaded on the TPMC-9 to add another dimension to the touchscreen graphics using personalized sounds, button feedback, and voice prompts.

CRESTRON®

High-Speed Connectivity

Both Cresnet® and high-speed Ethernet are standard on the TPMC-9, providing for easy network integration and seamless communications with Crestron control systems and other network devices.

Versatile Install Options

With its integral tilting base, the TPMC-9 provides a very clean and stylish touch screen solution for small countertops, desks, podiums, and bedside tables. The screen tilt is installer-adjustable at up to a 45 degree angle for optimal viewing and operation.[2]

A single cable exits the rear of the base. The 10 ft (3 m) cable extends to a separate interface module (TPS-6X-IMCW[3]), which may be discreetly mounted to a flat surface or in a flush wall box, providing full connectivity for power, communications, and video signals. Control system communication is afforded through Cresnet and Ethernet ports. Wired video connectivity is handled through a choice of balanced or unbalanced composite inputs, allowing compatibility with both conventional coaxial and Crestron Home® Balanced AV distribution systems.

SPECIFICATIONS

Note: See also TPS-6X-IMCW for additional specifications.

Touch Screen Display

Display Type: TFT Active matrix color LCD
Size: 9 inch (229 mm) diagonal
Aspect Ratio: 15:9 WVGA
Resolution: 800 x 480 pixels
Brightness: 350 nits (cd/m²)
Contrast: 700:1
Color Depth: 24-bit, 16.7M colors
Illumination: Edgelit fluorescent
Viewing Angle: ±88° horizontal, ±88° vertical
Touch Screen: Resistive membrane

Buttons

Reset: (1) Miniature pushbutton for hardware reset, on rear

Memory

DDR RAM: 256 MB
Flash: 2 GB
Maximum Project Size: 60 MB

Graphics Engine

Supports Smart Graphics™ or "traditional" GUI projects

Communications

Ethernet: 10/100 Mbps, auto-switching, auto-negotiating, auto-discovery, full/half duplex, DHCP, for control and console
Cresnet®: Cresnet slave mode for control and console

USB: USB client for console

Video

Analog Input Signal Types: Composite
Analog Formats: NTSC 480i or PAL 576i
Analog Color Depth: 24-bit, 16.7M colors
Streaming Formats: H.264 (MPEG-4 part 10 AVC) (320x240/15fps @ 192kbps recommended), MJPEG (320x240/10fps recommended)

Audio

Features: Built-in microphone and speakers, Crestron IP Intercom
Audio Feedback Formats: MP3 using Smart Graphics, WAV using "traditional" graphics

Connectors

To Module: Integral 10 ft (3 m) cable with 10-pin RJ50 male connector; Connects to TPS-6X-IMCW interface module[3]; See the TPS-6X-IMCW interface module specification for other connectors

USB: Mini-B USB console port, on rear; Mini-B to A USB cable included

Power Requirements

Power Pack: 2.0 Amps @ 24 Volts DC; 100-240 Volts AC, 50/60 Hz power pack, model PW-2420RU included

Cresnet Power Usage: 18 Watts (0.75 Amps @ 24 Volts DC) including TPS-6X-IMCW module[3]

Note: May be powered by power pack or Cresnet network power, not both. All power connections are made via the TPS-6X-IMCW interface module[3]

Environmental

Temperature: 32° to 95°F (0° to 35°C)
Humidity: 10% to 90% RH (non-condensing)
Heat Dissipation: 61 BTU/hour

Enclosure

Plastic, 0° to 45° adjustable tilt mechanism[2], low-profile base, integral 10 ft (3 m) cable assembly

Dimensions

Height: 7.09 in (180 mm) maximum; 6.91 in (176 mm) minimum
Width: 10.72 in (273 mm)
Depth: 7.02 in (179 mm); 6.48 in (165 mm) without grommet

Weight

4.1 lb (1.9 kg)

MODELS & ACCESSORIES

Available Models

TPMC-9-B: 9" Tilt Touch Screen, Black Smooth
TPMC-9-B-T: 9" Tilt Touch Screen, Black Textured
TPMC-9-W-S: 9" Tilt Touch Screen, White Smooth

Included Accessories

TPS-6X-IMCW: Interface Module (Qty. 1 included)
PW-2420RU: Wall Mount Power Pack 24VDC, 2A, Universal
(Qty. 1 included)

Available Accessories

CEN-NVS200: Network Video Streamer
SW-VMK-WIN: TouchPoint® Virtual Mouse & Keyboard Software for Windows®
CRESNET-NP: Cresnet® Control Cable, non-plenum
CRESNET-P: Cresnet® Control Cable, plenum
CRESNET-HP-NP: Cresnet® "High-Power" Control Cable, non-plenum
CRESCAT-NP: Crestron Home® CAT5 AV Cable, Single CAT5e & Cresnet, non-plenum

Notes:

1. Item(s) sold separately.
2. The tilt angle must be set to a fixed position for normal use. Adjustment of the tilt angle requires a 5/32" hex wrench (included).
3. Item included, see individual product specifications for additional information.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/salesreps or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: patents.crestron.com.

7.07 in
(17.96 cm)

6.98 in
(17.73 cm)

4.75 in
(12.07 cm)

2.38 in
(6.04 cm)

0.84 in
(2.12 cm)

0.6 in
(1.53 cm)

7.02 in
(17.83 cm)

4.5 in
(11.43 cm)

10.72 in
(27.22 cm)

7.8 in
(19.8 cm)

6.28 cm
(15.93 cm)

6.9 in
(17.52 cm)

4.7 in
(11.92 cm)

6.98 in
(17.73 cm)

4.75 in
(12.07 cm)

2.38 in
(6.04 cm)

0.84 in
(2.12 cm)

0.6 in
(1.53 cm)

7.02 in
(17.83 cm)

4.5 in
(11.43 cm)

7.02 in
(17.83 cm)