

TPMC-4XG

Isys i/O™ Handheld WiFi Touchpanel

The TPMC-4XG Handheld WiFi Touchpanel puts a high-performance 2-way wireless video touchpanel in a sleek, stylish handheld package, delivering a whole new level of control in the palm of your hand. Featuring high-speed 802.11g (or b) Wi-Fi wireless communications and built-in web browsing, the TPMC-4XG lends itself to a host of applications in any connected home, classroom, or boardroom.

Handheld Touchpanel Control

Far more than a mere universal remote, the TPMC-4XG is ingeniously designed to provide a powerful wireless control solution that's easy to hold and intuitive to use. True Crestron touchpanel versatility is afforded through a 3.5" active-matrix color touchscreen display, producing stunning 16-bit graphics with 3D effects, high-res images, dynamic graphics and text, PNG translucency and animation. A stylus is even included for use with the on-screen keyboard, conveniently stowed in its own storage slot.

EL Backlit Hard Buttons

Complementing its touchpanel are 19 tactile pushbuttons comprised of 10 smartly-placed buttons designated for most common functions, a 5-way navigation thumbpad, and 4 context-assignable "hard keys" positioned along the bottom of the touchscreen. Every button is fully programmable to support quick access to functions ranging from simple volume adjustment and channel selection to on-screen menu navigation or even pan/tilt camera control. Adjustable electroluminescent button backlighting provides a striking appearance while facilitating operation in a darkened home theater or conference room.

Scroll Wheel

A scroll wheel is located on the right side of the TPMC-4XG, positioned for easy navigation through lengthy menus on the touchscreen or television. Incremental up and down scrolling and press-to-select commands are programmable to allow the scroll wheel to be adapted for custom applications.

Wi-Fi Wireless

Integrated 802.11b/g Wi-Fi technology delivers secure, high-speed 2-way wireless performance, communicating with Crestron control systems, computers, and media servers via a wireless Ethernet access point. Fully bidirectional behavior means the TPMC-4XG is perfect for searching through tracks and titles on a music server complete with the dynamic display of cover art graphics. Of course, true-feedback is afforded for every connected device be it audio, video, satellite radio, lighting, security, or climate control.

Windows® SideShow™-Enabled

New Crestron support for Windows SideShow gives the TPMC-4XG access to all kinds of PC and Web-based content such as news feeds, sports scores, stock tickers, weather alerts, media guides, email messages, and appointment notifications all through a simple network connection to a Windows Vista™ computer.

Wireless Video

For presentation preview, surveillance, or pure entertainment, the TPMC-4XG makes it possible to view security cameras, movies, and other video sources right on its touchscreen. The TPMC-4XG includes native support for wireless streaming video from a variety of 3rd-party Web cameras and servers using the motion-JPEG and MPEG4 formats.



Li-Ion Rechargeable Batteries

A field-replaceable Lithium Ion battery pack provides fast-charging, long-lasting wireless operation without the "memory" issues typical of other rechargeable batteries. Adjustable standby helps preserve battery life, and the included docking station provides charging convenience with an elegant appearance.

> *Stylish and ergonomic handheld design*

> *3.5" active matrix touchscreen display | 240 x 320 resolution*

> *16-bit Isys i/O graphics | Synapse image rendering algorithm*

> *Backlit hard buttons, thumbpad, and scroll wheel*

> *Microsoft Windows CE .NET operating system*

> *Windows SideShow-Enabled*

> *Wireless video from network cameras and servers*

> *802.11b/g Wi-Fi 2-way wireless communications*

> *Includes stylus with onboard storage slot*

> *Includes docking station and Li-Ion battery pack*

SPECIFICATIONS

Touchscreen Display

Display Type: Transflective TFT active matrix color LCD

Size: 3.5 inch (8.89 cm) diagonal

Aspect Ratio: 3:4 QVGA (portrait orientation)

Resolution: 240 x 320 pixels

Brightness: 115 nits (cd/m²) typical;
90 nits (cd/m²) minimum

Contrast: 100:1 typical;
80:1 minimum

Color Depth: 16-bit, 64k colors

Viewing Angle: ±60° horizontal, ±55° vertical

Illumination: White LED Backlit

Touchscreen: Resistive membrane

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Buttons & Controls

Hard Keys : (4) programmable pushbuttons below touchscreen

Thumbpad: (1) programmable 5-way thumbpad (4-way navigation plus center “OK” button) with white EL backlit labeling

Functions: (10) programmable pushbuttons with white EL backlit labeling for home, volume, mute, up/fwd, down/rwd, +, -, return, and power

Scroll Wheel: (1) 360° programmable scroll wheel with push-to-select

On/Off: (1) recessed slide switch (in battery compartment), turns unit on or off

Reset: (1) recessed miniature button (in battery compartment), reboots the touchpanel

Processor

Freescale™ i.MX21 266MHz CPU

Memory

SDRAM: 64 MB

Flash: 64 MB

Maximum Project Size: 12 MB

Operating System

Microsoft® Windows® CE .NET 5.0 Professional Edition

Graphic Engine

16-bit non-palette graphics; 65,536 colors; Synapse image rendering algorithm; multi-mode objects; dynamic graphics and text; Windows® SideShow™ support, PNG translucency; 24 fps animation

Embedded PC Applications*

Crestron MJPEG Viewer, Axis® Media Control

RF Wireless

RF Transceiver: IEEE 802.11b/g Wi-Fi, 2.4 GHz 2-way RF, static IP or dynamic IP via DHCP, 64 and 128-bit WEP encryption, WPA & WAP2 with TKIP & AES

Range: 30 feet (10m) @54Mbps, range and speed vary based upon environmental conditions, roaming not supported

Gateway: Requires a dedicated 802.11b/g wireless access point and Ethernet-enabled Crestron 2-Series control system

Video

Streaming/File Formats: MJPEG & MPEG4

Connectors

USB: (1) Mini Type B female behind cover;

USB 2.0 computer console port, cable included

Battery

Battery Type: Lithium Ion, 3.7 Volt, 1880 mAh (included)

Usage per Charge : 3.5 hours continuous at full brightness

Charging Time : 2 hours 50 minutes

Power Requirements

Docking Station/Charger (included): 1 Amp @ 5 Volts DC;

Crestron model **TPMC-4XG-DS** included

Power Supply (included): 0.3 Amps @ 100-240 Volts AC, 50/60Hz

Environmental

Temperature: 32° to 122°F (0° to 50 °C)

Humidity: 10% to 90% RH (non-condensing)

Heat Dissipation : 17 BTU/Hour

Enclosure

Injection-molded case, stylus storage slot (stylus included); integral docking station port

Dimensions

Height: 1.17 in (2.96 cm)

Width: 3.08 in (7.81 cm)

Depth: 7.39 in (18.76 cm)

Total height of touchpanel and docking station when docked is ~3.25 in (~8.25 cm)

Weight

9 oz (259 g) including battery

INCLUDED ACCESSORIES

TPMC-4XG-DS: Docking Station/Charger

TPMC-4XG-BTP: Internal Battery Pack