

TPS-6L

Isys™ 5.7" Wall Mount Touch Panel

The Crestron Isys® TPS-6L Wall Mount Touch Panel delivers high-end style and performance in a compact, cost-effective flush mount design. Featuring a bright, beautiful, high-contrast 5.7" color touch screen with 16-bit Isys graphics, 640 x 480 resolution, and single video window display, the TPS-6L delivers a world of control capability yet leaves a very small footprint. The addition of 12 optional pushbuttons provides quick access to commonly used functions.

Crestron® touch panels offer an ideal user-interface for controlling everything from basic audio distribution and lighting to complete home automation and multimedia presentation, providing a wide-open canvas for the creation of custom control screens perfectly tailored to the needs of the end-user. Touch panels do away with piles of remote controls, cryptic front panels, and cluttered wall switches, affording true "one-touch" control over a broad range of complex devices and systems.

Isys™ Color Touch Screen

Isys power and beauty are infused throughout the entire Crestron touch panel lineup. Under the hood, the Isys engine combines a 32-bit microprocessor with an ingenious and ultra efficient operating system to produce astonishing full-color graphics and high-res images with lightning-fast performance. Dynamic graphics and text capability enable the display of all kinds of useful data and alluring eye candy—from audio settings, satellite radio channels, and lighting levels—to changing icons, photos, and logos—to digital media playlists complete with album cover art.

Crestron exclusive DNav and Synapse™ technologies enable system programmers to produce amazing graphics faster and easier using advanced dynamic control menus and 3D effects. Additional capabilities like animations, multimode objects, PNG translucency, and full-motion video enhance the palette for creating GUIs that are both eye-catching and easy to use.

Full-Motion Video

The TPS-6L can display full-motion video from an external source, providing an exceptional utility for viewing security cameras and other video signals on the touch screen display. The video image is fully scalable for viewing in any sized window or full screen. The choice of balanced or unbalanced composite inputs allows compatibility with both conventional coaxial and Crestron Home® Balanced AV distribution systems.

Audio and Intercom

Customized WAV audio files can be loaded on the touch panel to add dimension to its touch screen graphics using personalized sounds, button feedback, and voice prompts. A speaker option (SPK-6L⁽¹⁾) can be added for amplification of external AV sources, and to support programmable intercom functionality in combination with the built-in microphone.

Crestron Home® CAT5 AV

The TPS-6L is ideal for use with AV distribution and intercom systems of all sizes. Its balanced audio and video connections make installation easy and affordable using inexpensive CAT5 type wire and our popular CH CAT5 Balanced AV distribution switchers. A single balanced video input accepts signals from composite video sources over wiring distances of up to 750 feet, while balanced audio connections are included to accept incoming stereo program audio and intercom signals, and to output audio from the internal microphone. Connection



to conventional coaxial video and audio systems is also supported.

Pushbutton Options

The TPS-6L features a faceplate containing 12 programmable "hard key" pushbuttons, elegantly trimmed by illuminated button dividers. Integral to the faceplate, the pushbuttons are positioned along the left and right edges of the touch screen, making it possible to align dynamically changing text and graphics onscreen beside the pushbuttons to support context-sensitive menu functions such as digital media titles, channels, or lighting presets. Custom engraving of the buttons is available, with a choice of solid or backlit text. A plain no-button faceplate is also included, allowing a very clean appearance with no pushbuttons.

Auto-Brightness Control

Its built-in light sensor automatically adjusts the TPS-6L's display brightness and button backlighting for an optimal appearance and clear legibility in both darkened and fully lit rooms.

High-Speed Connectivity

Both Cresnet® and high-speed Ethernet are standard on the TPS-6L, providing for easy network integration and seamless communications with Crestron control systems.

Versatile Flush-Mount Design

The TPS-6L is designed for easy flush-mount installation in a wall, lectern or similar flat surface. Mounting clips furnished with the TPS-6L facilitate a clean installation in drywall and many furniture applications. Additional mounting options are available separately including optional back box and 19-inch rack mount kit.

> *Stylish flush-mount design for in-wall and lectern installation*

> *5.7" active matrix color touch screen display*

> *16-bit color touch panel graphics*

> *640 x 480 VGA resolution*

> *Dynamic graphics & text capability*

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- > DNav dynamic menu objects
- > Synapse™ Image Rendering Algorithm
- > Single full-motion, fully-scalable video window
- > Amplified speaker (sold separately) and microphone
- > WAV file audio feedback
- > Crestron Home® CAT5 AV connectivity
- > High-speed Ethernet and Cresnet® communications
- > Includes faceplate with 12 "hard key" pushbuttons
- > Button engraving available as solid or backlit text
- > Auto-brightness control for display and button backlighting
- > No-button blank faceplate also provided
- > Wall, lectern, and rack mounting options
- > Available in matte almond, black, or white

SPECIFICATIONS

Touch Screen Display

Display Type : TFT Active matrix color LCD
Size: 5.7 inch (145 mm) diagonal
Aspect Ratio: 4:3 SVGA
Resolution: 640 x 480 pixels
Brightness: 400 nits (cd/m²)
Contrast: 400:1
Color Depth: 18-bit, 256k colors
Illumination: Backlit fluorescent w/auto-brightness control
Viewing Angle: ±80° horizontal, +80°/-70° vertical
Touch Screen: Resistive membrane

Buttons

Hard Keys: (12) Optional engravable pushbuttons, optional auto-dimmable backlighting
Reset: (1) Miniature pushbutton for hardware reset, behind faceplate

Memory

SDRAM: 32 MB
Flash: 32 MB
Maximum Project Size: 28 MB

Graphic Engine

16-bit non-palette graphics, 65,536 colors, Synapse image rendering algorithm, multi-mode objects, DNav dynamic menu objects, dynamic graphics and text, PNG translucency, full-motion (60 fps) animation, color key video windowing

Communications

Ethernet: 10BaseT/100BaseTX, auto-switching, auto-negotiating, auto-discovery, full/half duplex, TCP/IP, UDP/IP, CIP, DHCP, for control and console
Cresnet: Cresnet slave mode, for control and console

Video

Signal Types: Composite
Formats: NTSC 480i or PAL 576i
Color Depth: 18-bit; 262,144 colors

Windowing: Single-window, deinterlaced, fully-scalable

Audio

Hardware Features: Built-in microphone, internal speaker for WAV/keyclick, optional amplified speaker for program/intercom, internal volume & tone control

Functions: Wired intercom, audio feedback, keyclick

Audio Feedback: WAV format, 8-bit PCM, mono, 8 kHz sampling rate

Amplification: 0.75 Watt for internal WAV/keyclick speaker, 6 Watts for optional program/intercom speaker (requires SPK-6L speaker kit^[1])

Connectors

LAN: (1) 8-wire RJ45 with 2 LED indicators;

10/100BaseT Ethernet port;

Green LED indicates link status;

Yellow LED indicates Ethernet activity

NET: (1) 4-pin 3.5mm detachable terminal block;

Cresnet slave port, connects to Cresnet control network

MIC OUT: (1) 3-pin 3.5mm detachable terminal block;

Balanced mono line-level output;

Output Impedance: 600 Ohms balanced, 300 Ohms unbalanced;

Maximum Output Level: 2 Vrms balanced, 1 Vrms unbalanced

AUDIO INPUT: (1) 5-pin 3.5mm detachable terminal block;

Balanced/unbalanced stereo (summed to mono) line-level input (requires SPK-6L speaker kit^[1]);

Input Impedance: 10k Ohms balanced, 5k Ohms unbalanced;

Maximum Input Level: 2 Vrms balanced/unbalanced;

Normally connects to a Crestron CAT5 balanced audio source via CresCAT cable;

Maximum CAT5 Cable Length: 1000 feet

NTSC/PAL INPUT: (1) 5-pin 3.5mm detachable terminal block;

Balanced (CAT5) or unbalanced (coaxial) composite video inputs;

Formats: NTSC 480i or PAL 576i;

Input Impedance: 100 Ohms balanced, 75 Ohms unbalanced;

Input Level: 1 Vp-p nominal;

Balanced input normally connects to a Crestron CAT5 balanced video source via CresCAT cable;

Maximum CAT5 Cable Length: 750 feet

Speaker Option: 6-pin (2x3) rectangular connector;

Connects to optional SPK-6L speaker kit^[1]

Power Requirements

Cresnet Power Usage: 15 Watts (0.625 Amp @ 24 Volts DC)

Environmental

Temperature: 32° to 104°F (0° to 40°C)

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

Heat Dissipation: 51 BTU/hr

Enclosure

Construction: Injection-molded plastic, flush-mountable using (4) clips provided (additional mounting kits available)

Faceplate: Injection-molded plastic, button and no-button faceplates included, optional solid or backlit button engraving sold separately

Dimensions

Height: 5.60 in (143 mm)

Width: 7.40 in (188 mm)

Depth: 2.28 in (58 mm);

3.58 in (91 mm) with SPK-6L speaker kit

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Weight

1.52 lb (0.69 kg)

Available Models

TPS-6LA-T: Isys 5.7" Wall Mount Touch Panel, Matte Almond

TPS-6LB-T: Isys 5.7" Wall Mount Touchpanel, Matte Black

TPS-6LW-T: Isys 5.7" Wall Mount Touchpanel, Matte White

Included Accessories

TPS-6L-FPA-T_BLANK Engravable Faceplate w/Buttons (blank), Matte Almond [Included Quantity for TPS-6LA-T: 1]

TPS-6L-FPB-T_BLANK Engravable Faceplate w/Buttons (blank), Matte Black [Included Quantity for TPS-6LB-T: 1]

TPS-6L-FPW-T_BLANK Engravable Faceplate w/Buttons (blank), Matte White [Included Quantity for TPS-6LW-T: 1]

TPS-6L-FPA-T-NB No-Button Faceplate, Matte Almond [Included Quantity for TPS-6LA-T: 1]

TPS-6L-FPB-T-NB No-Button Faceplate, Matte Black [Included Quantity for TPS-6LB-T: 1]

TPS-6L-FPW-T-NB No-Button Faceplate, Matte White [Included Quantity for TPS-6LW-T: 1]

Available Accessories

SPK-6L: Speaker Kit

TPS-6L-FPA-T_ENGRAVED: Engravable Faceplate w/Buttons (engraved), Matte Almond

TPS-6L-FPB-T_ENGRAVED: Engravable Faceplate w/Buttons (engraved), Matte Black

TPS-6L-FPW-T_ENGRAVED: Engravable Faceplate w/Buttons (engraved), Matte White

TPS-6L-FPA-T_BLANK: Engravable Faceplate w/Buttons (blank), Matte Almond

TPS-6L-FPB-T_BLANK: Engravable Faceplate w/Buttons (blank), Matte Black

TPS-6L-FPW-T_BLANK: Engravable Faceplate w/Buttons (blank), Matte White

TPS-6L-FPA-T-NB: No-Button Faceplate, Matte Almond

TPS-6L-FPB-T-NB: No-Button Faceplate, Matte Black

TPS-6L-FPW-T-NB: No-Button Faceplate, Matte White

TPS-6L-FP-BKLT-A-T_ENGRAVED: Backlit Engravable Faceplate w/Buttons (engraved), Matte Almond

TPS-6L-FP-BKLT-B-T_ENGRAVED: Backlit Engravable Faceplate w/Buttons (engraved), Matte Black

TPS-6L-FP-BKLT-W-T_ENGRAVED: Backlit Engravable Faceplate w/Buttons (engraved), Matte White

TPS-6L-FP-BKLT-A-T_BLANK: Backlit Engravable Faceplate w/Buttons (blank), Matte Almond

TPS-6L-FP-BKLT-B-T_BLANK: Backlit Engravable Faceplate w/Buttons (blank), Matte Black

TPS-6L-FP-BKLT-W-T_BLANK: Backlit Engravable Faceplate w/Buttons (blank), Matte White

BB-6L: Pre-Construction Wall Mount Back Box

PMK-6L: Pre-Construction Wall Mount Kit

TMK-6L: Trim Ring for BB-6L and PMK-6L

MMK-6L: Mud Ring for BB-6L and PMK-6L

WMKT-6L: Lectern or Post-Construction Wall Mount Kit with Trim Ring

WMKM-6L: Post-Construction Wall Mount Kit with Mud Ring

WMKB-6L: 10 sets Replacement Mounting Clips

RMK-6L: Rack Mount Kit

SW-VMK-WIN: TouchPoint® Virtual Mouse & Keyboard Software for Windows®

CRESCAT-D-NP-SP500: Crestron Home® CAT5 AV Cable, 2x CAT5e & Cresnet, non-plenum, 500 ft spool

CRESNET-NP-TL-SP500: Cresnet® Control Cable, non-plenum, teal, 500 ft

CRESNET-P-OR-SP500: Cresnet® Control Cable, plenum, orange, 500 ft spool

CRESNET-P-YL-SP500: Cresnet® Control Cable, plenum, yellow, 500 ft spool

CRESNET-HP-NP-TL-SP500: Cresnet® "High-Power" Control Cable, non-plenum, teal, 500 ft spool

CRESNET-HP-NP-TL-SP1000: Cresnet® "High-Power" Control Cable, non-plenum, teal, 1000 ft spool

Notes:

1. Item(s) sold separately.

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.

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