

# TPS-6

## Isys™ 5.7" Tilt Touchpanel

The Isys™ TPS-6 Tilt Touchpanel delivers high-end style and performance in a striking tabletop design. Sleek and compact, the TPS-6 does away with piles of remotes and cryptic control panels, affording true "one-touch" control over a broad range of complex devices and systems. Featuring a bright, beautiful, high-contrast color touchscreen, and a smart array of backlit tactile pushbuttons<sup>[1]</sup>, the TPS-6 offers an ideal user-interface for controlling multimedia presentations, home automation, and a host of other uses.

### Isys™ Color Touchscreen

The TPS-6 provides a wide open canvas for the creation of custom control screens tailored to each unique application. Its brilliant 5.7" active-matrix display and powerful Isys engine combine to produce stunning 16-bit color graphics with extreme versatility and lightning-fast performance. Dynamic graphics and text capability enable the display of all kinds of useful data and alluring eye candy—from audio settings, TV 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<sup>[2]</sup> enhance the palette for creating GUIs that are both eye-catching and easy to use.

### Tactile Pushbuttons

In addition to its touchscreen, the TPS-6 features illuminated tactile pushbuttons for quick access to volume adjustment, channel selection, and on-screen menu navigation functions. Eight additional pushbuttons, elegantly trimmed by illuminated button dividers, flank the edges of the touchscreen to support additional programmable functions.

High-quality backlit laser-engraving lends a crisp, legible appearance to button text in both darkened and fully lit rooms<sup>[1]</sup>. The pushbuttons come pre-engraved with labeling suited to a typical home theater or multimedia presentation application. If needed, customized engraving can be attained simply using Crestron Engraver software. A no-button front bezel is also included with the TPS-6, which may be installed in place of the button bezel for a very clean appearance with no front panel pushbuttons.

Two additional "trigger" style buttons are positioned on top of the TPS-6 for easy control of the display brightness and other programmable functions.

### Full-Motion Video

The TPS-6 displays full-motion video, providing the ability to monitor a security camera, or preview a DVD or television channel, right on the touchscreen 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.

### TableTop Tilt Base

With its sleek and innovative tilting base, the TPS-6 functions as a stylish tabletop tilt touchpanel, providing full-time wired



communications and video capability. Both high-speed Ethernet and Cresnet connectivity are available. The screen tilt can be freely adjusted or locked down at up to a 45 degree angle for optimal viewing and operation. A single cable exits the rear of the base, extending to a wall or surface mounted TPS-6X-IMCW Interface Module<sup>[2]</sup>. The cable can also be repositioned to exit the bottom for a very clean, cordless appearance. A swivel mount kit is also available for fixed-mount applications that require the ability to rotate the touchpanel during use.

- > *Sleek, contoured design for tabletop use*
- > *Full-time wired touchpanel operation*
- > *Elegant high gloss black or white, or matte black finishes*
- > *Illuminated buttons and engravable backlit text<sup>[1]</sup>*
- > *5.7" active matrix color touchscreen display*
- > *16-bit Isys graphics | 640 x 480 resolution*
- > *Dynamic graphics & text capability*
- > *DNav dynamic menu objects*
- > *Synapse Image Rendering Algorithm*
- > *Full-motion video display*
- > *High-speed Ethernet and Cresnet communications*
- > *Crestron Home® CAT5 video connectivity*
- > *Up to 45 degree tilt adjustment*
- > *Low-profile single-wire connection*
- > *No-button front bezel option included*

# TPS-6 Isys™ 5.7" Tilt Touchpanel

## SPECIFICATIONS

### Touchscreen Display

**Display Type:** TFT Active matrix color LCD

**Size:** 5.7 inch (14.48 cm) diagonal

**Aspect Ratio:** 4:3 VGA

**Resolution:** 640 x 480 pixels

**Brightness:** 350 nits (cd/m<sup>2</sup>)

**Contrast:** 400:1

**Color Depth:** 18-bit, 256k colors

**Illumination:** Backlit fluorescent

**Viewing Angle:** ±80° horizontal, +80°/-70° vertical

**Touchscreen:** Resistive membrane

### Buttons & Switches

**Trigger:** (1) Programmable top-mounted pushbutton (left); resets touchpanel if held for 5 seconds

**Brightness:** (1) Programmable top-mounted pushbutton (right), normally sets display brightness level

**Hard Keys:** (8) Optional programmable pushbuttons, engravable backlit text<sup>[1,3]</sup> (default engraving included)

**Up/Down:** (2) Optional programmable “up/down” pushbuttons, backlit, engravable backlit text<sup>[1,3]</sup> on bezel (default engraving included)

**Thumbpad:** (5) Optional programmable pushbuttons for 4-way directional navigation and “enter”, backlit

### Connectors

Integral 9 ft (2.75 m) cable with 10-pin RJ50 male connector;

Connects to TPS-6X-IMCW interface module<sup>[2]</sup>

See the TPS-6X-IMCW interface module specification for other connectors

### Processor

**CPU:** 32-bit Freescale ColdFire® Microprocessor

### Memory

**SDRAM:** 32 MB

**Flash:** 32 MB

**Maximum Project Size:** 28 MB

### Graphic Engine

Isys engine; 16-bit non-palette graphics; 65,536 colors; Synapse image rendering algorithm; multi-mode objects, DNav dynamic menu objects, dynamic graphics, 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

**Cresnet:** Supports Cresnet slave mode

### Video

**Signal Types:** Composite

**Formats:** NTSC 480i or PAL 576i

**Color Depth:** 18-bit; 262,144 colors

**Windowing:** Single-window, deinterlaced and scalable up to full-screen

### Audio

Internal transducer for keyclick sound

### Power Requirements

**Power Pack:** 0.75 Amps @ 24 Volts DC;

100-240 Volts AC, 50/60 Hz power pack, model PW-2407WU included

**Cresnet Power Usage:** 16 Watts (0.67 Amps @ 24 Volts DC) including TPS-6X-IMCW module<sup>[2]</sup>

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<sup>[2]</sup>

### Environmental

**Temperature:** 32° to 112°F (0° to 45°C)

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

**Heat Dissipation:** 30 BTU/hour

### Enclosure

**Construction:** Injection-molded plastic, 0° to 45° adjustable friction clutch tilt mechanism, low-profile base, integral cable assembly, swivel mount kit available separately

**Front Bezels:** Button and no-button bezels included; button bezel includes white translucent illuminated Up/Down and Thumbpad buttons and 8 hardkey buttons with illuminated dividers and default backlit text engraving, optional custom backlit text engraving sold separately<sup>[1]</sup>

### Dimensions

**Height:** 6.21 in (158 mm) maximum

**Width:** 8.08 in (206 mm)

**Depth:** 7.02 in (179 mm), 6.53 in (166 mm) without grommet

### Weight

2.9 lb (1.3 kg)

### Available Models

**TPS-6:** Isys™ 5.7" Tilt Touchpanel, Gloss Black

**TPS-6-B-T:** Isys™ 5.7" Tilt Touchpanel, Matte Black

**TPS-6-W-S:** Isys™ 5.7" Tilt Touchpanel, Gloss White

### Included Accessories

**PW-2407WU** 24 Volt Power Pack, Universal [Included Quantity for TPS-6, TPS-6-B-T, TPS-6-W-S: 1]

**TPS-6X-IMCW** Interface Module [Included Quantity for TPS-6, TPS-6-B-T, TPS-6-W-S: 1]

**TPS-6X-FP\_ENGRAVED** Backlit Engravable Button Bezel Kit w/Default Engraving, Gloss Black [Included Quantity for TPS-6: 1]

**TPS-6X-FP-NB** No-Button Bezel Kit, Gloss Black [Included Quantity for TPS-6: 1]

**TPS-6X-FPB-T\_ENGRAVED** Backlit Engravable Button Bezel Kit w/Default Engraving, Matte Black [Included Quantity for TPS-6-B-T: 1]

**TPS-6X-FPB-T-NB** No-Button Bezel Kit, Matte Black [Included Quantity for TPS-6-B-T: 1]

**TPS-6X-FPW-S\_ENGRAVED** Backlit Engravable Button Bezel Kit w/Default Engraving, Gloss White [Included Quantity for TPS-6-W-S: 1]

**TPS-6X-FPW-S-NB** No-Button Bezel Kit, Gloss White [Included Quantity for TPS-6-W-S: 1]

### Available Accessories

**TPS-6X-FP\_ENGRAVED:** Backlit Engravable Button Bezel Kit w/Custom Engraving, Gloss Black

**TPS-6X-FP\_BLANK:** Backlit Engravable Button Bezel Kit (blank), Gloss Black

**TPS-6X-FPB-T\_ENGRAVED:** Backlit Engravable Button Bezel Kit w/Custom Engraving, Matte Black

**TPS-6X-FPB-T\_BLANK:** Backlit Engravable Button Bezel Kit (blank), Matte Black

**TPS-6X-FPW-S\_ENGRAVED:** Backlit Engravable Button Bezel Kit w/Custom Engraving, Gloss White

**TPS-6X-FPW-S\_BLANK:** Backlit Engravable Button Bezel Kit (blank), Gloss White

**SMK-6X:** Swivel Mount Kit

# TPS-6 Isys™ 5.7" Tilt Touchpanel

**CRESNET-NP-OR-B500:** Cresnet® Control Cable, non-plenum, orange, 500 ft box

**CRESNET-NP-YL-B500:** Cresnet® Control Cable, non-plenum, yellow, 500 ft box

**CRESNET-P-TL-SP500:** Cresnet® Control Cable, plenum, teal, 500 ft spool

**CRESNET-P-TL-SP1000:** Cresnet® Control Cable, plenum, teal, 1000 ft spool

**CRESNET-P-BK-SP500:** Cresnet® Control Cable, plenum, black, 500 ft spool

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

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

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

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

**CRESCAT-D-HP-NP-TL-SP500:** Crestron Home® CAT5 AV Cable, 2x CAT5e & Cresnet "High-Power", non-plenum, teal, 500 ft spool

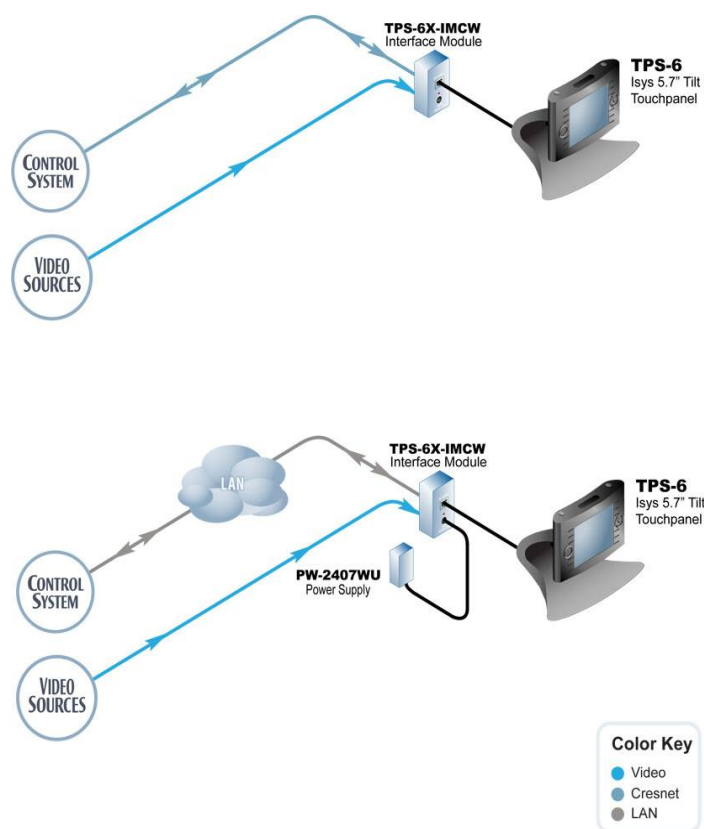
#### Notes:

1. Text engraving is not backlit on the TPS-6-W-S white model.

2. Item included, see individual product specifications for additional information.

3. Item sold separately.

#### Typical TPS-6 Application



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