

TST-602

5.7" Wireless Touch Screen

- > Advanced wireless touch screen controller
- > Compact, lightweight contoured design
- > 5.7" LED Edgelit color LCD display
- > Capacitive touch screen technology
- > Smart Graphics™ support^[1]
- > Voice recognition capability^[1,2]
- > High-performance H.264 streaming video^[1]
- > Rava® SIP intercom and phone technology^[1]
- > Customizable audio feedback
- > Web browsing^[1,2]
- > On-screen keyboard and mouse
- > Customizable screensaver
- > Built-in microphone and speakers
- > Illuminated buttons and engravable backlit text^[3]
- > No-button front bezel option included
- > Dual-mode RF wireless performance — Extended Range 2.4 GHz RF plus Wi-Fi®^[3]
- > Instant-Waking® behavior — like an IR remote with all the benefits of 2-way RF!
- > Supports roaming for extended wireless coverage^[7]
- > Includes wired Ethernet connectivity as an alternative to Wi-Fi^[1]
- > Fast charging, long lasting Li-Ion battery
- > Low-profile table dock charger^[9]
- > Available in smooth black or white, or textured black finishes



The Crestron® TST-602 Wireless Touch Screen delivers enhanced wireless control for the home, boardroom, or classroom in a stylish, ergonomic design. Its curved shape feels natural in the hands, with easy-access thumb-operable buttons placed to either side of a perfectly-sized color touch screen display. Dual-mode wireless performance with roaming capability assures dependable connectivity throughout the home or workplace. Wired Ethernet connectivity is also available via the included table dock.

Featuring a high-contrast 5.7" capacitive touch screen with Smart Graphics™, the TST-602 allows completely customizable control over audio, video, lighting, shades, climate, security, and other technologies. Scrolling menus of media titles and channel presets make it quick and easy to find and select any TV channel, video title, or music track. Optional tactile pushbuttons provide easy, immediate access to commonly used functions such as volume, mute, power, and on-screen menu navigation. Additional advanced features include the abilities to control any function using voice commands, view security cameras and other video sources, communicate using built-in intercom and phone capabilities, and browse the Internet.^[1,2]

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, rich metadata, embedded apps and widgets, and full-motion video for a deeply engaging and ultra-intuitive touch screen experience.

Crestron Smart Graphics offers these enhancements and more:

- Cool-looking graphical buttons, sliders, knobs, and gauges that are intuitive and fun to use
- Kinetic effects to enhance the feeling of realism, with lists and toolbars that scroll with momentum at the flick of a fingertip
- Drag-and-drop objects that snap into place, offering an easy way to switch sources
- Dashboard widgets to personalize the touch screen with clocks, weather, news, and other information^[2]
- A power-saving screensaver, allowing display of time, temperature, and other text content at a reduced brightness level
- Customizable themes allowing a completely different look and feel for every user, event, or season
- Fully-developed SmartObjects® that enable sophisticated control over complex devices with minimal programming
- A consistent look and feel across multiple touch screens of varying sizes

Tactile Pushbuttons

In addition to its touch screen display, the TST-602 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 touch screen 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. The pushbuttons come

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connections for power and Ethernet. The interface module can be installed in a wall-mounted electrical box, or simply attached to any flat surface or a single rack rail. Power can be supplied using the included [power pack](#) or 24VDC Cresnet® power.^[9,10]

SPECIFICATIONS

Note: See also TST-600-DS and TST-600-IMCW for additional specifications.

Touch Screen Display

Display Type: TFT Active matrix color LCD
Size: 5.7 inch (145 mm) diagonal
Aspect Ratio: 4:3 VGA
Resolution: 640 x 480 pixels
Brightness: 350 nits (cd/m²)
Contrast: 800:1
Color Depth: 18-bit, 262k colors
Illumination: Edgelit LED
Viewing Angle: ±80° horizontal, ±70° vertical
Touch Screen: Projected capacitive, 2-point multi-touch capable

Buttons, Switches, & Indicators

Sleep: (1) Top-mounted pushbutton (left); programmable, normally initiates "Sleep" mode when docked, turns power on/off when undocked; also resets the unit if held for 5 seconds
Brightness: (1) Top-mounted pushbutton (right); programmable, normally sets display brightness level
Hard Keys: (8) Optional pushbuttons, programmable, engravable backlit text^[3]
Up/Down: (2) Optional backlit translucent "up" and "down" pushbuttons, programmable, engravable backlit text on bezel^[3]
Navigation Pad: (5) Optional backlit translucent pushbuttons for 4-way directional navigation and "select", programmable
Battery Switch: (1) Rear panel recessed slide switch, shuts off battery for long-term storage
Battery LED: (1) Green LED, indicates battery condition and charging status when docked

Memory

LPDDR2 RAM: 1 GB
Flash: 4 GB
Maximum Project Size: 512 MB

Graphics Engine

Supports Smart Graphics™^[11], multi-language web browser^[1,2], multi-language on-screen keyboard, screensaver

Languages

Smart Graphics: Arabic, Chinese (Simplified), Chinese (Traditional), Czech, Danish, Dutch, English (UK), English (US), Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Korean, Norwegian, Polish,

Portuguese, Portuguese (Brazilian), Romanian, Russian, Slovak, Spanish, Swedish, Thai

On-Screen Keyboard: Arabic, Chinese (Simplified), Croatian, Czech, Danish, Dutch, English (UK), English (US), Finnish, French (Canada), French (Switzerland), German, Hebrew, Hungarian, Italian, Japanese, Norwegian Bokmal, Polish, Portuguese, Russian, Serbian, Spanish, Swedish, Turkish

Voice Recognition: Afrikaans (South Africa); Chinese, Mandarin (China, Simplified); Chinese, Mandarin (Hong Kong, Simplified); Chinese, Mandarin (Taiwan, Traditional); Chinese, Yue (Hong Kong, Traditional); Czech (Czech Republic); Dutch (Netherlands); English (Australia); English (Canada); English (Generic); English (India); English (New Zealand); English (South Africa); English (UK); English (US); French (France); German (Germany); isiZulu (South Africa); Italian (Italy); Japanese (Japan); Korean (South Korea); Polish (Poland); Portuguese (Brazil); Russian (Russia); Spanish (Spain); Turkish (Turkey)

Web Browser: Arabic, Bulgarian, Catalan, Chinese, Croatian, Czech, Danish, Dutch, English, Filipino, Finnish, French, German, Greek, Hebrew, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean, Latvian, Lithuanian, Norwegian Bokmal, Pashto, Persian, Polish, Portuguese, Romanian, Romansh, Russian, Serbian, Slovak, Slovenian, Spanish, Swedish, T'ai, Turkish, Ukrainian, Vietnamese

Wireless Communication (Primary) – Extended Range RF^[8]

RF Transceiver: 2-way RF, 2.4 GHz ISM Channels 11-26 (2400 to 2483.5 MHz), IEEE 802.15.4 compliant

Transmitting Power: 75 mW (Ch.11), 100 mW (Ch.12-23), 15 mW (Ch.24), 3.5 mW (Ch.25), 1 mW (Ch.26) @ High Setting; 1 mW (Ch.11-25), 0.5 mW (Ch.26) @ Low Setting

Range (typical): 100 to 200 feet (30 to 60 m) maximum indoor, 1000 feet (300 m) outdoor, subject to site-specific conditions

Gateway: Requires a Crestron Extended Range (ER) Wireless Gateway^[4]

Roaming: Supports roaming between a maximum of eight gateways

Wireless Communication (Secondary) – Wi-Fi®^[8]

Transceiver: IEEE 802.11b/g/n Wi-Fi (2.4 GHz 2-way RF), static IP or dynamic IP via DHCP

Security: 64 & 128-bit WEP, WPA™ & WPA2™-PSK with TKIP & AES

Range: Up to 50 feet (15 m), subject to site-specific conditions

Gateway: Requires a CEN-WAP-1500 or similar 802.11b/g/n wireless access point and Ethernet-enabled Crestron control system

Handoff: Supports handoff between a maximum of four Wi-Fi wireless access points^[7]

Wired Communications

Ethernet^[1]: (Via table or wall dock) 10/100 Mbps, auto-switching, auto-negotiating, auto-discovery, full/half duplex, DHCP

USB: USB client for console only

Video

Streaming Formats: H.264 (MPEG-4 part 10 AVC) or MJPEG, up to 1024x720 @ 30 fps^[1]

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Audio

Features: Built-in microphone and speakers, Rava® SIP Intercom^[1], multi-language voice recognition^[1,2]

Audio Feedback Formats: MP3

Connectors

Docking Connector: (1) Multi-pin connector;
Mates with the docking port on the table or wall dock^[9]

USB: (1) Mini-B USB console port, for installer use only;
Mini-B to A USB cable included

NOTE: See TST-600-IMCW interface module specification for additional connectors^[9]

Battery

Rechargeable Battery: Li-ion, 3.7 Volt, 3200 mAh, model TST-600-BTP^[12]

Usage per Charge: 3.2 hours continuous, 90 hours under normal use
(10% active duty cycle with standby/power down enabled)

Charging Time: 2.5 hours with touch screen in standby, 3.5 to 5 hours during use

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: 18 Watts (0.75 Amps @ 24 Volts DC)^[10]

*Note: May be powered by power pack or Cresnet network power, not both.
All power connections are made via the TST-600-IMCW interface module^[9,10]*

Environmental

Temperature: 32° to 112° F (0° to 45° C);
50° to 104° F (10° to 40° C) while charging

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

Heat Dissipation: 40 BTU/hr

Construction

Enclosure: Plastic, non-slip grips/feet, integral docking port

Front Bezels: Plastic, button and no-button bezels included, button bezel includes white translucent illuminated Up/Down and Navigation Pad buttons and 8 hardkey buttons with illuminated dividers and default backlit text engraving, optional custom backlit text engraving sold separately^[3]

Dimensions

Height: 5.10 in (130 mm)

Width: 8.08 in (206 mm)

Depth: 1.59 in (41 mm)

Note: Combined height of the TST-602 touch screen docked on the TST-600-DS table dock^[9] is 3.30 in (84 mm)

Weight

22.5 oz (636 g) without table dock or interface module

MODELS & ACCESSORIES

Available Models

TST-602-B-S: 5.7" Wireless Touch Screen, Black Smooth

TST-602-B-T: 5.7" Wireless Touch Screen, Black Textured

TST-602-W-S: 5.7" Wireless Touch Screen, White Smooth

Included Accessories

TST-600-BTP: Battery Pack (Qty. 1 included)

TST-600-DS-B-S: Table Dock, Black Smooth (Qty. 1 included with TST-602-B-S)

TST-600-DS-B-T: Table Dock, Black Textured (Qty. 1 included with TST-602-B-T)

TST-600-DS-W-S: Table Dock, White Smooth (Qty. 1 included with TST-602-W-S)

TST-600-IMCW: Interface Module for TST-600-DS (Qty. 1 included)

PW-2407WU: Wall Mount Power Pack, 24VDC, 0.75A, 2.1mm, Universal (Qty. 1 included)

TST-602-FPB-S-NB_FRONT_BEZEL: No-Button Bezel Kit, Black Smooth (Qty. 1 included with TST-602-B-S)

TST-602-FPB-T-NB_FRONT_BEZEL: No-Button Bezel Kit, Black Textured (Qty. 1 include with TST-602-B-T)

TST-602-FPW-S-NB_FRONT_BEZEL: No-Button Bezel Kit, White Smooth (Qty. 1 included with TST-602-W-S)

Available Accessories

TST-602-FP-BKLT-B-S_FRONT_BEZEL_BLANK: Button Bezel Kit, No Engraving, Black Smooth

TST-602-FP-BKLT-B-S_FRONT_BEZEL_ENGRAVED: Button Bezel Kit w/ Custom Backlit Engraving, Black Smooth

TST-602-FP-BKLT-B-T_FRONT_BEZEL_BLANK: Button Bezel Kit, No Engraving, Black Textured

TST-602-FP-BKLT-B-T_FRONT_BEZEL_ENGRAVED: Button Bezel Kit w/ Custom Backlit Engraving, Black Textured

TST-602-FPW-S_FRONT_BEZEL_BLANK: Button Bezel Kit, No Engraving, White Smooth

TST-602-FPW-S_FRONT_BEZEL_ENGRAVED: Button Bezel Kit w/Custom Engraving, White Smooth

TST-600-SMK: Swivel Mount Kit for TST-600-DS

TST-600-DSW: Wall Dock

CEN-GWEXER: infiNET EX® & ER Wireless Gateway

MC3: 3-Series Control System® w/infiNET EX® & ER Wireless Gateway

DIN-AP3MEX: DIN Rail 3-Series® Automation Processor w/infiNET EX® & ER Wireless Gateway

CEN-WAP-1500: High Power Dual-Band Wireless Access Point

CBL-CAT5E-P-50: Ethernet LAN Cable, Plenum, 50 ft

CEN-NVS200: Network Video Streamer

DM-TXRX-100-STR: HD Streaming Transmitter/Receiver

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