

TSS-10

10.1 in. Room Scheduling Touch Screen



- Provides a stylish wall mount touch screen designed specifically for enterprise room scheduling applications
- Delivers a superior and cost-effective alternative to the use of consumer tablet devices
- Integrates directly with various room scheduling services
- 10.1 in. (257 mm) widescreen capacitive touch screen display
- Standard US, UK, and Euro electrical box installation with additional mounting options available
- Single-wire high-speed PoE or PoE+ network connection
- Enterprise grade security
- Choice of white or black smooth finish
- Complete kits available including the touch screen, multisurface mount kit, and choice of a light bar, status indicator, or hallway sign

Crestron® TSS-10 series room scheduling touch screens enhance and simplify scheduling meeting rooms and spaces. The touch screens can be installed at the entrance to each room and integrate seamlessly with a variety of popular scheduling services to provide an indication of the room availability and a view of its schedule.

Room Scheduling Apps

The TSS-10 comes with apps for many popular enterprise scheduling services.

- **Crestron Scheduling App:** Supports direct integration with [Crestron Fusion](#)® software, Microsoft Exchange Server® software (for users of Outlook® software and Office 365® software), the Google Calendar™ calendaring app (including G Suite™ software), CollegeNET® 25Live® scheduling software, and Ad Astra™ software.

Crestron room scheduling touch screens help organizations to maximize productivity and manage usage for every meeting space. If desired, the room can be reserved on the spot for an ad hoc meeting.¹ A [CEN-ODT-C-POE](#) occupancy sensor can also be paired to the touch screen, allowing for occupancy status to be reported instantly to the scheduling app for no-shows and unscheduled room usage.

Crestron room scheduling also offers three levels of customization—ranging from simply configuring settings in the web user interface to modifying the application source code for a completely unique appearance—depending on the needs of an enterprise.²

- **Third-Party Apps:** Includes support for numerous third-party scheduling apps. Support for new apps is provided via firmware updates.^{3,4}
- **Additional Options:** Supports IBM® Notes® software through a Crestron Fusion on-premises server.

Whatever provider you choose, the setup is as simple as connecting each touch screen to the network and choosing your app from the web-based setup menu or built-in setup screens. The selected app downloads from the cloud and installs on the touch screen automatically. There is no programming or control system required.⁴

Built for Enterprise Scheduling Applications

The TSS-10 is an enterprise-grade device engineered to meet all the demands of a corporate office, conference center, or higher education environment. Its 10.1 in. (257 mm) capacitive display provides an intuitive and informative user interface dedicated for scheduling rooms and viewing essential meeting details. The UI can be customized and branded with your choice of background images and logos. A smaller 7 in. (178 mm) version ([TSS-7](#) series) is also available.¹

- **Functional:** Unlike the consumer tablet devices found in many room scheduling systems, the TSS-10 requires no power adapter or network adapter to work. Its construction provides everything needed for scheduling applications in one compact unit that mounts over a standard electrical box or cutout. The TSS-10 also offers high-speed Ethernet and PoE/PoE+ connectivity, so installation is quick and easy with only one network cable required.
- **Versatile:** Crestron offers a variety of mounting accessories for flush mounting to drywall and masonry or for adhering to a glass wall. Optional light bar and hallway sign accessories are available to increase the visibility of status indication and room identification.
- **Reliable:** Consumer tablets are meant for mobile handheld use and not permanent installs. By contrast, Crestron touch screens are purpose-built for permanent installation and years of reliable 24/7 operation in a commercial environment. Wired network connectivity ensures dependable, high-speed performance. To ensure the latest features, the TSS-10 checks nightly for app updates and loads the latest version automatically.

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- **Secure:** Crestron touch screens employ enterprise-grade networking with robust security features such as 802.1X authentication, TLS encryption, HTTPS connectivity, and Active Directory® service integration. These features protect your network against service interruptions and malicious intrusions and ensure compliance with your organization's network policies.
- **Manageable:** Crestron touch screens feature cloud-based provisioning and management to streamline the process of configuring and monitoring every touch screen on the network and keeping them updated. They also support SNMP, so they can be monitored by your IT administrator alongside every other device on the network.
- **Cost-Effective:** Crestron touch screens offer clear advantages over other alternatives, but that doesn't mean they cost more. The TSS-10 series delivers a comparable or lower cost solution compared to buying tablets and adding all the extra peripherals and maintenance they require.

Status Indicator Options

Adding the optional light bar accessory ([TSW-1060-LB](#) series) to a TSS-10 produces light around the perimeter of the touch screen. For room scheduling applications, the light bar provides 180° visual indication of a room's availability status, illuminating green if the room is available and red when reserved.^{1,5}

As an alternative to the light bar, Crestron offers a selection of hallway signs and indicators that mount on the wall or ceiling above each touch screen. The [SSW](#), [SSW-EL](#), [SSC](#), and [SSC-EL](#) series hallway signs feature a two sided acrylic sign face that can be custom engraved with the room name or number. The [SIW-100](#) offers a lower profile wall mount status indicator.^{1,5}

All of the room availability status indication options are available separately, or as part of a kit including the TSS-10 series touch screen and multisurface mount kit. For kits containing a hallway sign, custom engraving is available separately by purchasing an [SSC-ACR-102](#), [SSC-ACR-102-EL](#), [SSW-ACR-102](#), [SSW-ACR-102-EL](#) replacement sign face.

Auto Brightness Control

To ensure optimal visibility under varying lighting conditions, the TSS-10 includes a built-in light sensor, which regulates the brightness of the display according to the ambient light level in the space.

Power over Ethernet

Using PoE technology, the TSS-10 gets its operating power directly through the network cable. PoE (Power over Ethernet) eliminates the need for a local power supply or any dedicated power wiring. A Crestron PoE switch ([CEN-SWPOE-16](#)) offers a total networking solution with built-in PoE for multiple touch screens.

NOTE: Refer to the "Power" specifications for more details.

Crestron XiO Cloud Service

The TSS-10 is compatible with the Crestron XiO Cloud® service, which is an IoT (Internet of Things) based platform for remotely provisioning, monitoring, and managing Crestron devices across an enterprise or an entire client base. Built on the Microsoft® Azure® software platform and utilizing Microsoft's industry-leading Azure IoT Hub technology, Crestron XiO Cloud enables installers and IT managers to deploy and manage thousands of devices in the time it previously took to manage just one. Unlike other virtual machine-based cloud solutions, Azure services provide unlimited scalability to suit the ever-growing needs of an enterprise. For more information, visit www.crestron.com/xiocloud.

Versatile Mounting Options

Using the bracket provided, the TSS-10 is easily installed over a 2-gang or 3-gang electrical box, or a 2-gang European or UK electrical box. The same bracket allows for installation over a rectangular cutout in wooden paneling or furniture. When installed, the touch screen protrudes only 1/2 in. from the mounting surface and leaves no visible screws for an ultra clean appearance. A security latch option is included to deter unauthorized removal of the touch screen.

Additional mounting options are afforded using the [TSW-UMB-60](#) universal mounting bracket⁶:

- Can be used by itself as a postconstruction solution for retrofitting the TSS-10 into existing drywall.
- Can be used with the [TSW-UMB-60-PMK](#) preconstruction mounting kit for applications that don't require a back box.
- Can be used with the [TSW-UMB-60-BBI](#) back box for masonry and concrete applications.

The [TS-10-MSMK](#) allows a TSS-10 touch screen to be mounted to virtually any flat surface, which is ideal for mounting at the entrance to a meeting space for room scheduling applications. The [TSW-760/1060-MSMK](#) provides a similar surface mounting solution that can also be mounted over a conventional electrical box. When installed using the [TSW-760/1060-MSMK](#), the touch screen is angled upwards at a 20° tilt.

Though not typical for most room scheduling applications, Crestron offers tabletop and rack mount kits that are compatible with the TSS-10. When installing the TSS-10 in place of an older Crestron touch screen ([APAD](#), [CT-1000](#), [LC-1000](#), [TPS-4L](#), [TPS-6L](#), [TPS-2000L](#), or [TPS-3100L](#)), Crestron offers [retrofit mounting brackets](#), which facilitate replacement without having to tear out the old mounting hardware or patch the wall.

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Specifications

Room Scheduling Support

Crestron Scheduling App Crestron Fusion® software, Microsoft Exchange Server® and Office 365® software, Google Calendar™ calendaring app and G Suite™ software, CollegeNET® 25Live® software, and Ad Astra™ software (IBM® Notes® software is also supported through Crestron Fusion on-premises server only)

Third-Party Apps Includes support for various third-party scheduling apps^{3,4}

Languages

Crestron Fusion Chinese (Simplified), Chinese (Traditional), Danish, Dutch (Netherlands), English (US), English (UK), French, German, Hebrew, Italian, Japanese, Korean, Norwegian, Portuguese (Brazil), Portuguese (Portugal), Russian, Spanish, Swedish

Communications

Ethernet 100 Mbps, auto switching, auto negotiating, auto discovery, full/half duplex, TCP/IP, UDP/IP, DHCP, SSL, TLS, SSH, SFTP (SSH File Transfer Protocol), IEEE 802.1X, SNMP, HTTPS, IPv4 or IPv6, Active Directory® service authentication, HTTPS web browser setup, Crestron XiO Cloud® client, IEEE 802.3at compliant

USB USB 2.0 host for light bar or hallway sign^{1,5}

Touch Screen Display

Display Type TFT active matrix color LCD
Size 10.1 in. (257 mm) diagonal
Aspect Ratio 16:10 WXGA
Resolution 1280 x 800 pixels
Brightness 400 nits (cd/m²)
Contrast 950:1
Color Depth 24 bit, 16.7M colors
Illumination Edgelit LED with auto brightness control
Viewing Angle ±80° horizontal, ±80° vertical
Touch Screen Projected capacitive, 5-point multitouch

Buttons

Reset (1) Miniature push button on rear panel for hardware reset

Camera

Camera Resolution 5.0 MP
Field of View 50° horizontal
For future use

Audio

Features Built-in speakers for touch feedback and alert signals

Connectors

LAN PoE (1) 8-pin RJ-45 connector, female, with 2 LED indicators; 100BASE-TX Ethernet port; PoE+ PD port; Green and yellow LEDs indicate Ethernet port status

USB (1) USB Type A connector, female; USB 2.0 host port; For optional light bar or hallway sign^{1,5}

Power

PoE (Power over Ethernet) IEEE 802.3at Type 2 compliant PoE+ PD (Powered Device); Requests 18 W from an 802.3at Type 2 PSE with LLDP advanced power management; Requests 30 W (PoE+ Class 4) from an 802.3at Type 2 PSE without LLDP; Requests 15.4 W (PoE Class 0) from an 802.3af (or 802.3at Type 1) PSE
NOTE: Enabling the USB port requires use of an 802.3at Type 2 PoE+ PSE.

Environmental

Temperature 32 to 112 °F (0 to 45 °C)
Humidity 10% to 95% RH (noncondensing)
Heat Dissipation 44 BTU/hr

Construction

Housing Plastic, smooth black or white finish, edge-to-edge glass with black or white surround

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Mounting Surface mount over a 2 or 3-gang US electrical box, 2-gang European (DIN 49073) electrical box, or 2-gang UK (BS 4662) electrical box; Panel mount over a 2-1/5 in. H x 3-3/4 in. W (56 mm H x 96 mm W) cutout; 1-3/8 in. (35 mm) minimum mounting depth; Additional wall mount, surface mount, rack mount, and tabletop options available separately

Dimensions

Height 6.59 in. (168 mm)
Width 10.23 in. (260 mm)
Depth 1.52 in. (39 mm)

Dimensions do not include the mounting bracket or add-on accessories

Weight

1.5 lb (675 g)

Compliance

Regulatory Model: TSW-1060
UL® Listed, CE, IC, FCC Part 15 Class B digital device

Available Models

TSS-10-B-S
TSS-10-W-S
TSS-10-B-S-LB KIT
TSS-10-W-S-LB KIT
TSS-10-B-S-SIW KIT
TSS-10-W-S-SIW KIT
TSS-10-B-S-SSC KIT
TSS-10-W-S-SSC KIT
TSS-10-B-S-SSW KIT
TSS-10-W-S-SSW KIT

In the Box

SIW-100 (TSS-10-B-S-SIW KIT and TSS-10-W-S-SIW KIT Only)
SSC-100 (TSS-10-B-S-SSC KIT and TSS-10-W-S-SSC KIT Only)
SSW-100 (TSS-10-B-S-SSW KIT and TSS-10-W-S-SSW KIT Only)
SW-XIOC-P-1

TSW-760/1060-MSMK-B-S (TSS-10-B-S-LB KIT, TSS-10-B-S-SIW KIT, TSS-10-B-S-SSC KIT, and TSS-10-B-S-SSW KIT Only)

TSW-760/1060-MSMK-W-S (TSS-10-W-S-LB KIT, TSS-10-W-S-SIW KIT, TSS-10-W-S-SSC KIT, and TSS-10-W-S-SSW KIT Only)

TSW-1060-LB-B (TSS-10-B-S-LB KIT Only)

TSW-1060-LB-W (TSS-10-W-S-LB KIT Only)

Accessories

For supported accessories, visit the appropriate TSS-10 product page at www.crestron.com.

Notes:

1. Actual functionality and onscreen appearance varies based on which scheduling app is in use and how the app is set up. The functionality described in this spec sheet generally refers to the Crestron Scheduling App. Each third-party provider determines the functionality and appearance of their respective app. Refer to each provider's website for more information.
2. For more information on custom programming for the Crestron room scheduling app, refer to the Crestron Room Scheduling Panels Programming Guide (Doc. 8213) at www.crestron.com/manuals.
3. Refer to the firmware release notes for a list of all scheduling apps that are supported by that firmware release.
4. Additional subscriptions and/or licenses may be required. Refer to each provider's website for details about the capabilities and requirements of its scheduling application and services. Third-party apps typically run on the TSS-10 as they do on a tablet device. The TSS-10 runs only one app, which is selected at setup. Only the apps approved and delivered by Crestron can run on the TSS-10. The TSS-10 cannot be interfaced with a control system and cannot be custom programmed for any other functionality. An internet connection is required.
5. The light bar and hallway sign accessories are sold separately or as part of a TSS-10 series touch screen kit. The TSS-10 must be powered by a PoE+ power source when a light bar or hallway sign is connected. Only one light bar or hallway sign may be connected to the TSS-10. Use of either accessory precludes use of the other without the addition of a custom-programmed control system and Cresnet wiring for the hallway sign. Refer to the Accessories section for a list of all available options. Refer to each accessory's spec sheet for further information.
6. The [TSW-UMB-60](#), [TSW-UMB-60-PMK](#), and [TSW-UMB-60-BBI](#) are all sold separately. The TSW-UMB-60 is also compatible with older TSW-UMB-PMK preconstruction mounting kits and TSW-550-BBI back boxes, allowing the TSS-10 touch screen to be installed in place of a previous generation TSW-5xx series touch screen, or any other device that was originally installed using the a TSW-UMB-PMK or TSW-550-BBI, without modification to the wall.

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This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at <https://www.crestron.com/How-To-Buy/Find-a-Representative> or by calling 855-263-8754.

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

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

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