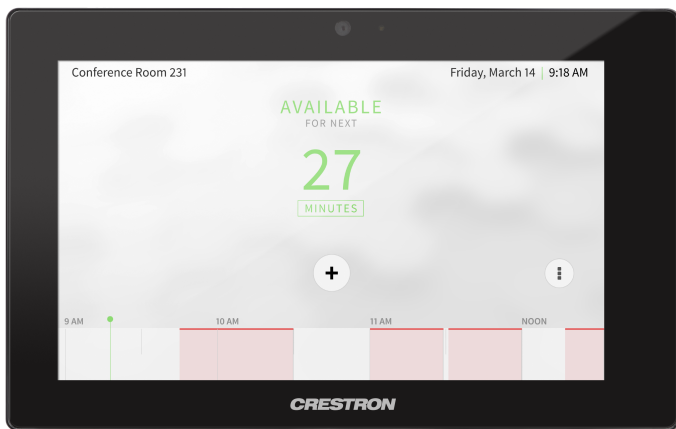


## 7 in. Room Scheduling Touch Screen



- 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
- 7 in. (178 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
- One year Crestron XiO Cloud™ Service Premium subscription included
- 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-7 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-7 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.<sup>1</sup>

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.<sup>2</sup>

- **Third-Party Apps:** Includes support for [Teem®](#), [Robin®](#), [Appspace®](#),<sup>3</sup> [Zoom™](#), [EMS Software®](#), [Space Connect™](#), [NFS™ Rendezvous](#), [Gingco.net™](#), [New Wave Apps®](#), and [SpaceIQ®](#) scheduling applications.<sup>4</sup> Other providers may be added in the future.
- **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.<sup>4</sup>

#### Built for Enterprise Scheduling Applications

The TSS-7 is an enterprise-grade device engineered to meet all the demands of a corporate office, conference center, or higher education environment. Its 7 in. (178 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 larger 10.1 in. (257 mm) version (TSS-10 series) is also available.<sup>1</sup>

- **Functional:** Unlike the consumer tablet devices found in many room scheduling systems, the TSS-7 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-7 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.

## 7 in. Room Scheduling Touch Screen

- **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 keep things running smoothly with the latest features, the TSS-7 checks nightly for app updates and loads the latest version automatically.
- **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-7 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-760-LB series) to a TSS-7 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.<sup>1,5</sup>

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.<sup>1,5</sup>

All of the room availability status indication options are available separately, or as part of a kit including the TSS-7 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.

### PinPoint Beacon (Coming Soon)

The built-in PinPoint™ proximity detection beacon enhances a room scheduling system by enabling your smartphone or tablet device to sense what room you're standing in front of. It works with the Crestron PinPoint App, using Bluetooth® technology to determine when the mobile device is near the beacon, and signals the mobile app to automatically display the appropriate information and controls for the room.<sup>1,6</sup>

### Auto Brightness Control

To ensure optimal visibility under varying lighting conditions, the TSS-7 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-7 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-7 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](http://www.crestron.com/xiocloud).

### Versatile Mounting Options

Using the bracket provided, the TSS-7 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 bracket:

- Can be used by itself as a postconstruction solution for retrofitting the TSS-7 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.

## 7 in. Room Scheduling Touch Screen

The **TS-7-MSMK** allows a TSS-7 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-7. When installing the TSS-7 in place of an older Crestron touch screen (**APAD**, **CT-1000**, **LC-1000**, **TPS-4L**, **TPS-6L**, or **TPS-2000L**), Crestron offers **retrofit mounting brackets**, which facilitate replacement without having to tear out the old mounting hardware or patch the wall.

**NOTE:** For scheduling applications utilizing occupancy sensing, the TSS-7 does not provide a physical sensor interface. Occupancy sensors must be interfaced with the scheduling service through a Crestron control system or appropriate third-party solution. Crestron offers a variety of wired and wireless occupancy sensors that support integration using the Cresnet® network communications, infiNET EX® wireless communications, or a 24 VDC signal.

### Specifications

#### Room Scheduling Support

<b>Crestron Scheduling App</b>	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)
<b>Third-Party Apps</b>	Includes support for Teem®, Robin®, Appspace® <sup>3</sup> , Zoom™, EMS Software®, Space Connect™, NFS™ Rendezvous, Gingco.net™, New Wave Apps®, and SpaceIQ® scheduling applications. <sup>4</sup>

#### Languages

<b>Crestron Fusion</b>	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
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#### Communications

<b>Ethernet</b>	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
<b>USB</b>	USB 2.0 host for light bar or hallway sign <sup>1,5</sup>
<b>Bluetooth® Hardware</b>	Crestron PinPoint™ beacon <sup>1,6</sup>

#### Touch Screen Display

<b>Display Type</b>	TFT active matrix color LCD
<b>Size</b>	7 in. (178 mm) diagonal
<b>Aspect Ratio</b>	17:10 WSVGA
<b>Resolution</b>	1024 x 600 pixels
<b>Brightness</b>	350 nits (cd/m <sup>2</sup> )
<b>Contrast</b>	1100:1
<b>Color Depth</b>	24 bit, 16.7M colors
<b>Illumination</b>	Edgelit LED with auto brightness control
<b>Viewing Angle</b>	±80° horizontal, ±80° vertical
<b>Touch Screen</b>	Projected capacitive, 5-point multitouch capable

## 7 in. Room Scheduling Touch Screen

### Buttons

<b>Reset</b>	(1) Miniature push button on rear panel for hardware reset
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### Camera

<b>Camera Resolution</b>	5.0 MP
<b>Field of View</b>	50° horizontal
<i>For future use</i>	

### Audio

<b>Features</b>	Built-in speakers for touch feedback and alert signals
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### Connectors

<b>LAN PoE</b>	(1) 8-pin RJ45 connector, female, with 2 LED indicators; 100Base-TX Ethernet port; PoE+ PD port; Green and yellow LEDs indicate Ethernet port status
<b>USB</b>	(1) USB Type A connector, female; USB 2.0 host port; For optional light bar or hallway sign <sup>1,5</sup>

### Power

<b>PoE (Power over Ethernet)</b>	IEEE 802.3at Type 2 compliant PoE+ PD (Powered Device); Requests 15 Watts from an 802.3at Type 2 PSE with LLDP advanced power management;  Requests 30 Watts (PoE+ Class 4) from an 802.3at Type 2 PSE without LLDP; Requests 15.4 Watts (PoE Class 0) from an 802.3af (or 802.3at Type 1) PSE <i>NOTE: Enabling the USB port requires use of an 802.3at Type 2 PoE+ PSE.</i>
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### Environmental

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

### Construction

<b>Housing</b>	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

<b>Height</b>	4.79 in. (122 mm)
<b>Width</b>	7.61 in. (194 mm)
<b>Depth</b>	1.52 in. (39 mm)
<i>Dimensions do not include the mounting bracket or add-on accessories</i>	

### Weight

14.1 oz (400 g)

### Compliance

**Regulatory Model: TSW-760**  
UL® Listed, CE, IC, FCC Part 15 Class B digital device

### Available Models

TSS-7-B-S  
TSS-7-W-S  
TSS-7-B-S-LB KIT  
TSS-7-W-S-LB KIT  
TSS-7-B-S-SIW KIT  
TSS-7-W-S-SIW KIT  
TSS-7-B-S-SSC KIT  
TSS-7-W-S-SSC KIT  
TSS-7-B-S-SSW KIT  
TSS-7-W-S-SSW KIT

### In the Box

SIW-100 (TSS-7-B-S-SIW KIT and TSS-7-W-S-SIW KIT Only)  
SSC-100 (TSS-7-B-S-SSC KIT and TSS-7-W-S-SSC KIT Only)  
SSW-100 (TSS-7-B-S-SSW KIT and TSS-7-W-S-SSW KIT Only)  
SW-XIOC-P-1

## 7 in. Room Scheduling Touch Screen

TSW-760/1060-MSMK-B-S (TSS-7-B-S-LB KIT, TSS-7-B-S-SIW KIT, TSS-7-B-S-SSC KIT, and TSS-7-B-S-SSW KIT Only)

TSW-760/1060-MSMK-W-S (TSS-7-W-S-LB KIT, TSS-7-W-S-SIW KIT, TSS-7-W-S-SSC KIT, and TSS-7-W-S-SSW KIT Only)

TSW-760-LB-B (TSS-7-B-S-LB KIT Only)

TSW-760-LB-W (TSS-7-W-S-LB KIT Only)

### Accessories

For supported accessories, visit the appropriate TSS-7 product page at [www.crestron.com](http://www.crestron.com).

#### Notes:

- 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.
- 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](http://www.crestron.com/manuals).
- Appspace® app functionality is currently limited to their Room Management feature (aka, room cards or meeting cards) only.
- 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-7 as they do on a tablet device. The TSS-7 runs only one app, which is selected at setup. Only the apps approved and delivered by Crestron can run on the TSS-7. The TSS-7 cannot be interfaced with a control system and cannot be custom programmed for any other functionality. An internet connection is required.
- The light bar and hallway sign accessories are sold separately or as part of a TSS-7 series touch screen kit. The TSS-7 may be powered by either a PoE or 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-7. 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.
- Onboard PinPoint™ beacon functionality is not currently supported and will be enabled through a future update. When enabled, the TSS-7 will provide an integrated, equivalent alternative to the standalone PP-100-W beacon. For more details, refer to the PP-100-W spec sheet. Bluetooth technology is used solely for proximity detection and does not transmit or receive any control, multimedia, or personal data. PinPoint beacons are only visible to Bluetooth® hardware-enabled devices that are specifically programmed and configured to work with them.
- Complimentary Crestron XiO Cloud™ service subscriptions are subject to the terms of the Crestron Cloudware License Agreement at [www.crestron.com/cloudwarelicensepdf](http://www.crestron.com/cloudwarelicensepdf), as well as additional terms of the Crestron Cloudware License Agreement Addendum at [www.crestron.com/cloudwarelicenseaddendumpdf](http://www.crestron.com/cloudwarelicenseaddendumpdf), which control in any conflict with the Agreement. Complimentary subscriptions may be applied to new accounts only. New TSS-7 room scheduling touch screens may be added to existing Crestron XiO Cloud subscription accounts at a discounted rate. An additional purchase toward the existing subscription account term may be required. For more information, please contact [license@crestron.com](mailto:license@crestron.com).

- 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-7 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.

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](http://patents.crestron.com).

Certain Crestron products contain open source software. For specific information, please visit [www.crestron.com/opensource](http://www.crestron.com/opensource).

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# TSS-7

## 7 in. Room Scheduling Touch Screen

