

TSS-1080-GV

10.1 in. Room Scheduling Touch Screen, Government Version



- Next generation Crestron touch screen designed for enterprise room scheduling applications
- 10.1 in. (257 mm) widescreen active-matrix color display and 1920x1200 WUXGA display resolution
- Integrates directly with various room scheduling services
- Native apps for Zoom Rooms® software conferencing control and various room scheduling services
- Integrated light bar for at-a-glance indication of room availability
- Standard U.S., U.K., and European electrical box installation with additional mounting options available
- Single wire Ethernet connection with PoE or PoE+ power
- USB-C 2.0 port for room availability accessories
- Enterprise grade security and authentication

Crestron [TSS-1080-GV](#) series touch screens are designed to enhance and simplify room scheduling across an enterprise. The TSS-1080-GV installs near a meeting room or huddle space to provide a clear indication of its availability and scheduling and integrates seamlessly with a variety of popular scheduling services.

NOTE: The TSS-1080-GV series is a modified version of the TSS-1080 series, which eliminates the microphone, the Bluetooth® communications beacon, Wi-Fi® network connectivity, and proximity sensor to comply with government applications demanding extra privacy and security.

Crestron Room Scheduling App

As part of a complete enterprise solution, the TSS-1080-GV serves as a room booking interface through the Crestron Room Scheduling app. If desired, a room can be reserved on the spot for an ad hoc meeting. 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.^{2,3}

Running the Crestron Scheduling App, the TSS-1080-GV integrates directly with Microsoft Exchange Server® software (for users of Outlook® software and Microsoft 365® software), the Google Calendar™ calendaring app (including G Suite™ software), CollegeNET® 25Live® scheduling software, or Ad Astra™ software.

Third-Party Scheduling Apps

The TSS-1080-GV also includes support for various third-party scheduling applications. New providers are made available via firmware updates. Whatever provider you choose, setup is as simple as connecting the touch screen to the network and choosing an app from the built-in setup screens. The selected app downloads from the cloud and installs on the touch screen without any programming or control system required.^{4,5}

Zoom Rooms App

The Zoom Rooms® conferencing control application enables the TSS-1080-GV to be used as a touch screen control panel for a Zoom Rooms software-based conferencing and collaboration solution. The TSS-1080-GV offers a superior alternative to a consumer tablet device, providing a more reliable and secure platform with versatile, streamlined mounting options. The TSS-1080-GV may be configured to run the Zoom Rooms app exclusively, or to allow toggling between the Zoom Rooms app and touch screen control mode. The latter option is used to integrate Zoom Rooms conferencing into a larger AV system, while providing touch screen control for both.⁷

NOTE: The Zoom ultrasonic proximity signal is supported up to an average of 9 ft (2.74 m) from the TSS-1080-GV touch screen to an end user device. The range will vary based on environmental noise, the sensitivity of the end user device, and the orientation to the touch screen.

Built for Enterprise Scheduling Applications

The TSS-1080-GV is an enterprise-grade device engineered to meet all the demands of a corporate office, conference center, or higher education environment. Its 8 in. (201 mm) capacitive display provides an intuitive 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.

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- **Functional:** The TSS-1080-GV provides everything needed for scheduling applications in one compact unit that mounts over a standard electrical box or cutout. The touch screen offers Gigabit Ethernet and PoE/PoE+ connectivity, or, for deployments without access to Ethernet, it can be connected to the network over Wi-Fi® communications via a local wireless access point (WAP).
- **Versatile:** Crestron offers a variety of options for mounting the TSS-1080-GV to drywall, masonry, glass, mullions, and other surfaces. Optional hallway sign accessories are available [here](#) to increase the visibility of the room availability status.
- **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. To ensure the touch screen is using the latest features, the TSS-1080-GV checks nightly for app updates and loads the latest version automatically.
- **Secure:** Crestron touch screens run Microsoft® Device Ecosystem Platform (MDEP) and 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 management to streamline the process of configuring and monitoring every touch screen on the network and keeping them updated. They also support Simple Network Management Protocol (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-1080-GV delivers a comparable or lower cost solution compared to buying tablets with all the extra peripherals and maintenance they require.

Integrated Light Bars

The TSS panels include integrated light bars on either side that provide users with an at-a-glance indication of room availability from both the sides and front. The light bars default to displaying red when a room is occupied and green when it is available, but can also be programmed to display a full range of RGB colors.

Power over Ethernet

Using PoE technology, the TSS-1080-GV 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. Crestron PoE switches offer a total networking solution with built in PoE for multiple touch screens. Refer to the full list of supported PoE switches [here](#).

NOTE: Refer to the Power specifications for more details.

XiO Cloud Service

The TSS-1080-GV is compatible with the XiO Cloud® service, which is an IoT (Internet of Things) based platform for remotely 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, XiO Cloud enables installers and IT managers to deploy and manage thousands of devices simultaneously. 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 the [XiO Cloud](#) page.

Proximity Sensor and Brightness Controls

The TSS-1080-GV provides a built-in proximity sensor that wakes the screen without requiring any user interaction, and automatic brightness controls ensure optimal visibility under varying lighting conditions.

Room Scheduling Accessories

The TSS-1080-GV provides a USB-C port for connecting supported Crestron room scheduling accessories to the touch screen.²

Wall Mount Options

Using the bracket provided, the TSS-1080-GV is easily installed over a 2-gang or 3-gang US electrical box, or a 2-gang European or UK electrical box. A security latch option is included to deter unauthorized removal of the touch screen.

Additional wall mounting options are afforded using the optional [TSW-UMB-80](#) universal mounting bracket, [TSW-UMB-80-PMK](#) preconstruction mounting kit, and [TSW-UMB-80-BBI](#) back box (sold separately).

Optional Mounting Accessories

The TSS-1080-GV supports numerous optional mounting accessories that allow the touch screen to be installed in all kinds of installations.

- The [TSW-880/1080-MSMK](#) multisurface mount kit allows a touch screen to be mounted directly to virtually any flat surface, which is ideal for mounting at the entrance to a meeting space for room scheduling applications.²
- The [TSW-880/1080-MUMK](#) allows the touch screen to be attached to the mullion of an interior glass wall, window, or partition.²
- The [TSW-880/1080-MSMK-ANG](#) multisurface mount kit allows a touch screen to be mounted directly to virtually any flat surface while displaying at an angle for easier viewing.

The TSS-1080-GV is also compatible with Wall-Smart® flush wall mount products via a partnership with Crestron. Refer to [Wall-Smart](#) for more information on supported hardware.

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Specifications

Touch Screen Display

| | |
|----------------------|--|
| Display Type | TFT active matrix color LCD |
| Size | 10.1 in. (257 mm) diagonal |
| Aspect Ratio | 16:10 WXGA |
| Resolution | 1920 x 1200 pixels |
| Brightness | Minimum: 350 nits (cd/m ²) Maximum: 400 nits (cd/m ²) |
| Contrast | 1000:1 |
| 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 capable |

Buttons

| | |
|------------------------|---|
| Virtual Buttons | (5) Virtual buttons in collapsible universal tool bar, per button show/hide, preconfigured with icons for Power, Home, Lights, Up, and Down |
| Reset | (1) Pin hole on bottom for hardware reset |

Room Scheduling Support

| | |
|--------------------------------|--|
| Crestron Scheduling App | Microsoft Exchange Server® and Microsoft 365® software, Google Calendar™ calendaring app and G Suite™ software, CollegeNET® 25Live® software, and Ad Astra™ software |
| Third-Party Apps | Includes support for various third-party scheduling applications. ^{3,4,5} |

Memory

| | |
|-----------------------------|----------------|
| RAM | 8GB LPDDR4 |
| Storage | 40GB eMMC pSLC |
| Maximum Project Size | 1000 MB |

Wired Communications

| | |
|-----------------|--|
| Ethernet | 1000Mbps, autoswitching, autonegotiating, autodiscovery, full/half duplex, TCP/IP, UDP/IP, CIP, DHCP, SSL, TLS, SSH, SFTP (SSH File Transfer Protocol), IEEE 802.1X, SNMP, IPv4 or IPv6, Active Directory® service authentication, HTTPS web browser setup, XiO Cloud® client, IEEE 802.3 at compliant |
| USB | USB 2.0 host for room scheduling accessories |

Streaming Decoder

| | |
|--------------------------|---|
| Video Formats | H.265, H.264 (MPEG-4 part 10 AVC, MJPEG) |
| Audio Formats | AAC Stereo |
| Bitrates | Up to 25 Mbps (20 Mbps maximum recommended) |
| Input Resolutions | Up to 3840x2160@30fps |
| Protocol | RTSP |

Audio

| | |
|-----------------|-------------------|
| Features | Built-in speakers |
|-----------------|-------------------|

Connectors

| | |
|----------------|--|
| LAN PoE | (1) 8-pin RJ-45 connector, female, with 2 LED indicators; 1000BASE-TX Ethernet port; PoE+ PD port; Green and yellow LEDs indicate Ethernet port status |
| USB | (1) USB Type C connector, female; USB 2.0 host port |

Power

| | |
|----------------------------------|---|
| PoE (Power over Ethernet) | IEEE 802.3at Type 2 compliant PoE+ PD (Powered Device); 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) |
|----------------------------------|---|

NOTE: Enabling the USB port requires use of an 802.3 at Type 2 PoE+ PSE.

Environmental

| | |
|-------------------------|-------------------------------|
| Temperature | 32 to 104°F (0 to 40°C) |
| Humidity | 10% to 95% RH (noncondensing) |
| Heat Dissipation | 44 BTU/hr |

Construction

| | |
|-----------------|--|
| Housing | Die-cast housing, smooth black or white finish, glass with black or white surround |
| 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; Lectern mount over a 2 in. H x 3-3/4 in. W (51 mm H x 96 mm W) cutout; 1-3/8 in. (35 mm) minimum mounting depth; Wall mount, surface mount, and rack options available separately |

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Dimensions

| | |
|---------------|-------------------|
| Height | 5.96 in. (151 mm) |
| Width | 9.68 in. (246 mm) |
| Depth | 1.18 in. (30mm) |

Weight

1.27 lb (20.45 oz)

Compliance

Regulatory Model: M202404002

FCC Part 15 Class B, IC Class B, CE, UL® Listed for US and Canada/Intertek®

Model

TSS-1080-GV-B

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Available Accessories

For supported accessories, visit the TSS-1080-GV product page at www.crestron.com.

Notes:

1. Web browsing, weather information, and certain other functions require an Internet connection.
2. Item(s) sold separately. Refer to each product's spec sheet for complete information.
3. Room scheduling mode requires the TSS-1080-GV to be designated exclusively for room scheduling use, which precludes use of certain features and functions described in this spec sheet. Additionally, CollegeNET® 25Live® scheduling software and Ad Astra™ software do not support scheduling ad hoc meetings from the touch screen. For design assistance, contact the Crestron True Blue support team at www.crestron.com/support.
4. Refer to the firmware release notes for a list of all scheduling apps that are supported by that firmware release.
5. 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-1080-GV as they do on a tablet device. The TSS-1080-GV runs only one app, which is selected at setup. Only the apps approved and delivered by Crestron can run on the TSS-1080-GV.

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 www.crestron.com/How-To-Buy/Find-a-Representative or contact us for additional information by visiting www.crestron.com/contact/our-locations for your local contact.

The original language version of this document is U.S. English. All other languages are a translation of the original document.

The product warranty can be found at www.crestron.com/warranty.

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

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

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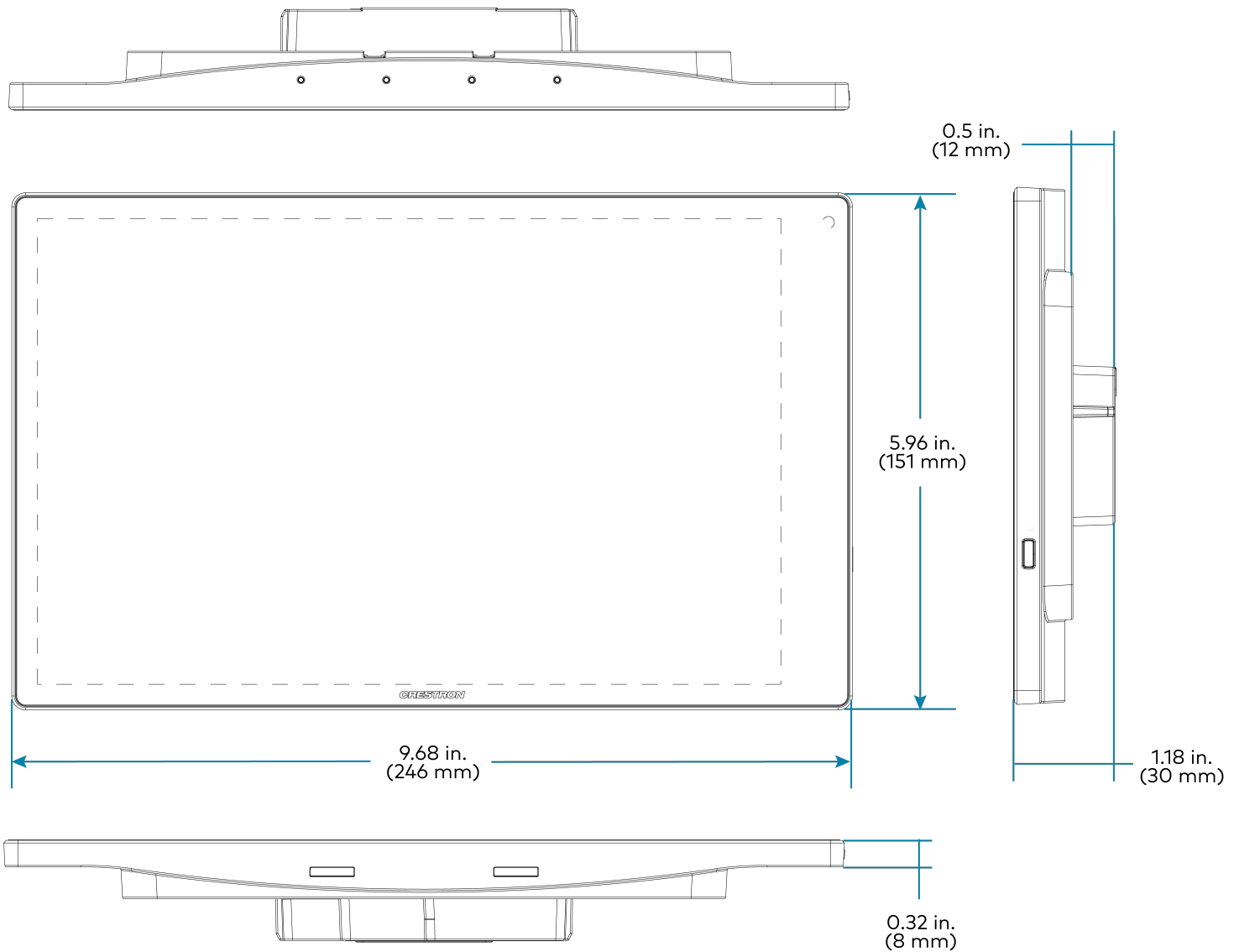
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