CRESTRON FLEX C100 SERIES

The Crestron **Flex C100** provides the flexibility to build your perfect space and still deliver a flawless meeting experience. It includes everything you need to successfully integrate with your existing room design. As Crestron's flagship integrated UC product, the Crestron Flex C100 brings touch control to the enterprise, ensuring a consistent, simple experience in every space, from the boardroom to the auditorium. Crestron brings Skype® for Business, Microsoft Teams™, and Zoom Rooms™ video collaboration to any custom space with our Integrator Kit, while still leveraging the power of our Crestron XiO Cloud™ provisioning and management platform.

TSW BY CRESTRON

With an attractive design and unrivaled practicality, the Crestron TSW-1060 touch screen delights the user and delivers native platform experiences from Microsoft with a minimum of distractions. A large, high-resolution color display showing a native partner user interface lies at the center of the UC experience. The TSW-1060 provides nothing less than the absolute best touch screen experience available anywhere.

UC ENGINE

The Crestron UC ENGINE is the driving force in a Crestron Flex C100 meeting space. With an incredibly powerful Intel® NUC PC at its core, the UC ENGINE ensures a flawless meeting experience no matter the type of space, number of participants, type of presentation content, or number of video streams. The UC ENGINE interfaces directly with the Crestron Flex C100, Huddly IQ® video conferencing camera, and HD to USB video converter (HD-CONV-USB-200) to provide a simple UC experience anywhere.

HDMI® TO USB VIDEO CONVERTER

Want to show content to participants in the room and on the call? No problem. With the HD-CONV-USB-200 you can effortlessly display your content to local and remote participants through the Crestron UC ENGINE. Just connect and go!

CRESTRON XIO CLOUD

The Crestron Flex C160 benefits from zero-touch deployment via the Crestron XiO Cloud IoT-based platform. With only the serial number and device MAC address, which are provided at shipment, a network admin can remotely configure the devices before they even arrive on-site.

Once online, they will connect to the Cloud, retrieve their configuration and then, within seconds, be ready to make calls. Using the Crestron XiO Cloud dashboard, the network admin is able to manage every connected workplace device from Crestron and supported partners.

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SPECIFICATIONS

10.1" Touch Screen:

Ultra clean, modern appearance

Thin profile and compact footprint

Affordable and easy to install

10.1" widescreen active-matrix color display

1280 x 800 WXGA display resolution

Capacitive touch screen technology

Multi-touch capable

Auto-brightness control

Built-in web browsing

Single-wire Ethernet connectivity

PoE or PoE+ network powered (refer to specifications)

US, UK, or European electrical wall box mounting

Lectern mount over a rectangular cutout

Retrofit and masonry mounting options available [2]

Multi-surface and ADA compliance mounting options available [1]

Tabletop and swivel mount options available [1]

Available in smooth black or white finish

Advanced Touch Screen Control

A Crestron® touch screen offers an ideal user-interface for controlling all the technology in your home, boardroom, classroom, courtroom, or command center. Touch screens simplify and enhance the way you use technology, doing away with those piles of remote controls, cluttered wall switches, disparate smartphone apps, and cryptic computer screens. For controlling audio, video, lighting, shades, HVAC, security, and other systems, Crestron touch screens are fully-customizable with easy-to-use controls and icons, true feedback and real-time status display, live streaming video, voice recognition, web browsing, and a full-featured media player for an enhanced multi-room entertainment experience.

With its clean, contemporary design highlighted by edge-to-edge glass and stunning HD color graphics, the Crestron TSW-1060 touch screen makes an elegant statement on any wall, tabletop, lectern, or equipment rack. Perfectly at home in the most contemporary residence or modern office building, its high-tech good looks underline its power for simplifying everyday tasks and functions throughout any facility.

The TSW-1060 delivers the ultimate touch screen experience in an unobtrusive, space-saving design. It features a brilliant, high-definition 10.1 inch capacitive touch screen display

PoE connectivity and a range of mounting options make installation a breeze for both new and retrofit applications.

Advanced features include the abilities to control any function by voice.

Auto-Brightness Control

Regulates the brightness of the display and button backlighting according to the ambient light level in the room. Separate auto-brightness settings are provided for the display and buttons to allow each to be adjusted or defeated as needed.

Web Browsing

Using its built-in web browser, the TSW-1060 provides quick access to online program guides and other web-based services at the touch of a button, allowing enhanced touch screen control of DVRs and other appliances without having to pick up a separate tablet or smartphone. If a device can be controlled or managed through a web browser, it can be integrated into the Crestron system through the TSW-1060. Of course, the web browser may also be used to simply browse the Internet, check traffic conditions, or look up a recipe.

Multi-Touch Support

The TSW-1060's capacitive touch screen affords enhanced capabilities for browsing web pages using multi-touch gestures.

Single-Wire Connectivity

A simple Ethernet LAN connection is all that is required to wire the TSW-1060, containing all control, video, intercom, and power signals within a single wire.

Power over Ethernet

Using PoE technology, the TSW-1060 gets its operating power right through the LAN wiring. PoE (Power over Ethernet) eliminates the need for a local power supply or any dedicated power wiring. A PoE Injector (PWE-4803RU [1]) simply connects in line with the LAN cable at a convenient location. Crestron PoE switches (CEN-SW-POE-5 or CEN-SWPOE-16 [1]) may also be used to provide a total networking solution with built-in PoE.

Note: Refer to the "Power" specifications for additional details.

Wall or Lectern Mounting Options

Using the bracket provided, the TSW-1060 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 in a wooden lectern or podium over a rectangular cutout. When installed, the touch screen protrudes just 1/2 inch from the mounting surface and latches firmly into its mounting bracket leaving 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. By itself, the TSW-UMB-60 provides a post-construction solution for retrofitting the TSW-1060 into existing drywall. For preconstruction applications that don't require a back box, the TSW-UMB-60 can be used along with a TSW-UMB-60-PMK Pre-Construction Mounting Kit. Masonry and concrete applications are accommodated using the TSW-UMB-60 along with a TSW-UMB-60-BBI back box. The TSW-UMB-60 is compatible with TSW-560, -760, and -1060 model touch screens, making it easy to change devices at any time.[2]

When installing the TSW-1060 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 (TSW-60-RMB series [1]), which facilitate replacement without having to tear out the old mounting hardware or patch the wall.[2]

For impenetrable surfaces, such as glass, granite, or marble, or for applications requiring ADA compliance, Crestron offers the Multi-Surface Mount Kit (TSW-760/1060-MSMK [1]). This option allows for attaching securely to virtually any smooth, flat surface without screws, providing an ideal solution for modern offices with glass walls or historically significant spaces where cutting and drilling is prohibited. It can also be mounted over a conventional electrical box. When installed, the touch screen is angled upwards at a 20° tilt to allow for mounting at an ADA approved height.

Tabletop Option

Using the optional Tabletop Kit (TSW-1060-TTK [1]), the TSW-1060 becomes a stylish, freestanding touch screen that fits perfectly on a table, desk, or countertop. It can even be permanently attached to the surface using the optional Swivel Mount Kit (TSW-560/760/1060-SMK [1]).

Rack Mount Option

The TSW-1060 can be mounted in a 19" EIA equipment rack using the optional Rack Mount Kit (TSW-1060-RMK-2 [1]). When rack mounted, the touch screen occupies five rack spaces.

Touch Screen Display

Display Type: TFT active matrix color LCD

Size: 10.1 inch (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 w/auto-brightness control

Viewing Angle: ±80° horizontal, ±80° vertical

Touch Screen: Projected capacitive, 5-point multi-touch capable

Buttons

Reset: (1) Miniature pushbutton on rear panel for hardware reset

Memory

RAM: 2 GB DDR3L

Storage: Firmware/Application: 4 GB Class 10 microSD card; System: 4 GB eMMC

Maximum Project Size: 600 MB

Communications

Ethernet: 10/100 Mbps, auto-switching, auto-negotiating, auto-discovery, full/half duplex, TCP/IP, UDP/IP, CIP, DHCP, SSL, TLS, SSH, SFTP (SSH File Transfer Protocol), IEEE 802.1X, SNMP, IPv4 or IPv6, IEEE 802.3at compliant

USB: USB 2.0 host for room availability hallway sign [1]

Bluetooth: Crestron PinPoint proximity detection beacon

Connectors

LAN PoE: (1) 8-pin RJ45 connector, female, with 2 LED indicators; 10Base-T/100Base-TX Ethernet port and PoE+ PD port; Green and yellow LEDs indicate Ethernet port status

USB: (1) USB Type A connector, female; USB 2.0 host port

Power

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

- Normally requests 15 Watts from an 802.3at Type 2 PSE with LLDP advanced power management;

- With room scheduling and USB enabled, requests 18 Watts from an 802.3at Type 2 PSE with LLDP;

- 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

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

UC Engine Specifications:

Processor: 6th generation Intel® Core™ i7-6770HQ processor with Intel® Iris™ Pro graphics (2.6 to 3.5 GHz Turbo, Quad Core, 6 MB Cache, 45W TDP)

RAM: 8GB (2x4GB) DDR4 2400MHz

Storage: 128GB m.2 SSD

Networking: Intel® I219-LM 10/100/1000 Mbps Ethernet

Power: 19V, 120W AC-DC power adapter

Environmental

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

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

Heat Dissipation: 44 BTU/hr

Enclosure

Construction: Plastic, smooth black or white finish, edge-to-edge 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 2-1/5" H x 3-3/4" W (56 mm H x 96 mm W) cutout; 1-3/8" (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

Weight

23.9 oz (675 g)

Compliance

UL Listed for US & Canada, IC, CE, FCC Part 15 Class B digital device

MODELS & ACCESSORIES

Available Models

TSW-1060-B-S: 10.1" Touch Screen, Black Smooth

TSW-1060-W-S: 10.1" Touch Screen, White Smooth

TSW-1060-NC-B-S: 10.1" Touch Screen without Camera , Microphone, or PinPoint™ Beacon; Black Smooth

TSW-1060-NC-W-S: 10.1" Touch Screen without Camera , Microphone, or PinPoint™ Beacon; White Smooth

Available Accessories

TSW-1060-TTK: Tabletop Kit for TSW-1060

TSW-560/760/1060-SMK: Swivel Mount Kit for TSW-1060-TTK

TSW-UMB-60: Universal Mounting Bracket for TSW-x60 Series

TSW-UMB-60-PMK: Pre-Construction Mounting Kit for TSW-UMB-60

TSW-UMB-60-BBI: Wall Mount Back Box for TSW-UMB-60

TSW-760/1060-RMB-1: Retrofit Mounting Bracket – Converts APAD, CT/LC-1000, or TPS-2000L to TSW-760 or TSW-1060

TSW-760/1060-RMB-2: Retrofit Mounting Bracket – Converts TPS-4L to TSW-760 or TSW-1060

TSW-1060-RMB-3: Retrofit Mounting Bracket – Converts TPS-6L to TSW-1060

TSW-1060-RMB-4: Retrofit Mounting Bracket – Converts TPS-3100L to TSW-1060