UC-M50-NC-T

Crestron Flex Tabletop Medium Room Conference System for Microsoft Teams® Rooms

- *Tabletop conferencing solution for a Microsoft Teams® Rooms environment*
- *Native Microsoft Teams® Rooms touch screen UI provides a consistent, simple user experience with one-touch meeting joins*
- *Complete kit contains a Crestron Flex tabletop conference device, UC bracket assembly, power supply, and cables — just add a display and mount*
- *Easy to specify and install — no custom design, programming, or software installation required*
- *Optional integration with Crestron® control systems*
- *Direct connection option between UC Engine and Crestron Flex tabletop conference device for simple installation and configuration*
- *Network management and provisioning, system alerts, and Crestron Flex tabletop conference device pairing to the system's UC Engine through the XiO Cloud® service*
- *Premium-level support with Crestron Flex Care (optional)*
- *Enterprise-grade security — connects and communicates securely over any enterprise or SMB (Server Message Block) network*
- *Supports single or dual video displays (not included)*

The UC-M50-NC-T Crestron Flex tabletop conferencing system provides a medium room conference solution for use with Microsoft Teams® Rooms software. It supports single or dual video displays[1] (not included) and features a Crestron Flex tabletop conference device, UC bracket assembly, power supply, and cables.

Native Microsoft Teams® Rooms Experience

The UC-M50-NC-T system brings the full Microsoft Teams Rooms UC experience to any meeting space in an enterprise or SMB facility.

Intuitive User Interface with Impressive Audio

With a large 7 in. HD color touch screen and an integrated AEC-enabled USB speakerphone that affords full-duplex wideband audio performance, the Crestron Flex Tabletop Conference device (CCS-UC-1-T-V) provides a superior conferencing and collaboration experience for meeting rooms, huddle spaces, and executive offices. The conference device also offers optional control of room lighting, shades, thermostats, and other equipment.[2]

Simplified Deployment

To simplify installation, the UC Bracket Assembly provides preassembled components on one ready-to-mount bracket. The bracket comes supplied with either a HD-CONV-USB 200 or HD-CONV-USB-300 convertor. The assembly can be mounted on a wall, or it can be attached to the rear of the display device. Crestron's direct connection method further simplifies installation with a single connection from the Crestron Flex tabletop conference device to the UC Bracket Assembly.[3]

High-Definition Video Conferencing

High-definition video conferencing is supported by using the following Crestron 1 Beyond cameras: IV-CAM-P12-B, IV-CAM-P12-W, IV-CAM-P20-B, IV-CAM-P20-W, IV-CAM-I12-B, IV-CAM-I20-B, and IV-CAM-I20-W. Microsoft Teams certified third-party cameras are also compatible with the system.

Crestron Control System Integration

The UC-M50-NC-T integrates with a Crestron control system to enable touch screen control of room lighting, motorized window shades, climate control, AV, and other amenities.[2]

Enterprise-Grade Security

Crestron Flex is an enterprise-grade solution, engineered in partnership with Microsoft® to integrate seamlessly into any Microsoft Teams Rooms software deployment. Crestron Flex is equipped for mass deployment throughout any sized corporate, university, medical, military, or government facility.

Easy Provisioning and Device Management

The XiO Cloud® service is an IoT cloud-based provisioning service (available separately) that enables installers and IT managers to easily deploy and manage thousands of devices. The XiO Cloud service provides system alerts, network management and provisioning, and the pairing of a control device to the system's UC Engine. System updates are controlled by Windows® software update.

Visit www.crestron.com/xiocloud for additional information.

Premium-Level Support

Crestron Flex Care is an optional subscription service that automatically renews annually, providing 24/7 live remote technical support, an extended five year warranty on Crestron® branded hardware, expedited advance replacements, and a discounted rate for onsite support.

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UC-M50-NC-T

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Visit www.crestron.com/flexcare for detailed terms and conditions and additional information.

Dual Control Option

A Crestron TS-70 or TSW-70 series 10.1 in. touch screen may be added to the solution as an additional control point for the Microsoft Teams Rooms environment.[2, 3]

Deployment Resources

View the Crestron Flex Pre-Deployment Checklist to help plan your Crestron Flex installation.

Specifications

Included Components

CCS-UC-1-T-V	Crestron Flex tabletop conferencing device: • Cable, CAT5e, RJ-45-to-RJ-45, 12 ft (3.66 m); • Cable management hardware
UC-BRKT-200-S-T-ASSY	UC Bracket Assembly comprised of: • UC Engine: Mini PC with Microsoft Teams video • ADPT-USB-ENET: USB-to-Ethernet Adapter • HDMI® to USB 3.0 converter for content ingest • Mounting hardware
CBL-4K-DP-HD-6	DisplayPort™ to HDMI Cable, 6 ft (1.8 m); secondary display
CBL-CAT5E-7	Ethernet LAN cable for UC Engine, RJ-45-to-RJ-45, black, 7 ft (2.1 m)
CBL-HD-6	HDMI Interface Cable, 6 ft (1.8 m); primary display
CBL-HD-20	HDMI Interface Cable, 20 ft (6.1 m); content sharing
CBL-USB-A-BMICRO-6	USB Cable, USB Type A Male to Micro-B Male cable, 6 ft (1.8 m)
CBL-USB-A-EXT-15	USB Extension Cable, USB Type A Male-to-Female, 15 ft (4.6 m)
CBL-USBC-USBA-6	USB 3.0 Cable, Right angle USB-C® to A, 6 ft (1.8 m)
DM-CBL-ULTRA-PC-20	Ethernet LAN cable, CAT6a, RJ-45-to-RJ-45, blue, 20 ft (6.1 m)
PW-2420RU	Universal power supply and power cord
UC-CAM-WMK	Wall Mount Kit for Crestron® Cameras

Crestron Flex Tabletop Conferencing Device

Touch Screen	7 in. (178 mm) diagonal capacitive multi-touch TFT active matrix color LCD, 1280 x 800 pixels
UI	Microsoft Teams Rooms UI plus optional Crestron room control UI[2]
Mic Mute Symbol and Light Bar	(2) Capacitive buttons with bi-color LEDs, either button toggles between mute and unmute
AEC	Limes Audio TrueVoice® acoustic echo cancellation, automatic mic mixing, automatic gain control, and dynamic noise reduction, full-duplex IEEE 1329 Type 1 compliant
Speaker	Full range speaker; Amplifier Power: 11 W; 95 dB SPL at 0.5 m maximum output; Frequency Response: 90 Hz to 22 kHz
Microphones	360° quad mic array; Pickup Range (typical): 20 ft (6 m)
Extension Microphones	Supports two mic pods, model CCS-UCA-MIC (sold separately)
Occupancy Sensor	6 ft (1.83 m) PIR range in front of touch screen
Ethernet	100 Mbps, autoswitching, autonegotiating, autodiscovery, full/half duplex, DHCP, TCP/IP, UDP/IP, CIP, SSL, TLS, SSH, SFTP (SSH File Transfer Protocol), SRTP, IEEE 802.1X, Active Directory® authentication, digest access authentication, password login, XiO Cloud client, Microsoft Intune® client, IEEE 802.3at Type 2 PoE+ compliant
USB	USB 2.0 micro Type B device port, supports UAC for audio interface to UC Engine (cable included)
Power Options	PoE+: IEEE 802.3at Type 2, Class 4 (25.5 W) PoE+ Powered Device **NOTE:** If the optional mic pod (CCS-UCA-MIC) is used, an external power supply is required as PoE+ cannot be used to power the device. 24VDC: 24VDC via external 100-240VAC, 50/60 Hz power pack, model PW-2420RU
Dimensions	Height: 4.11 in. (104 mm) Width: 8.92 in. (227 mm) Depth: 12.74 in. (324 mm)

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Weight	5.5 lb (2.5 kg)

UC Bracket Assembly

UC Engine	Mini PC, Intel Core® processor, with Windows® 11 IoT Edition OS and 100/1000 Mbps Ethernet connectivity
UC Client	Microsoft Teams Rooms
Management Client	XiO Cloud Service
Content Ingest	HDMI input via HDMI to USB 3.0 converter
Display Output	Single or dual display supported[1]
Display Output Resolution	1080p
Power	100-240VAC, 50/60 Hz adapter (included)
Construction	Metal mounting bracket, black, preassembled with UC Engine and HDMI to USB 3.0 converter
Mounting	Surface wall mount behind the display device, or attach to the rear of the display device via the bolts attaching the display to a VESA® compliant display mount; Bracket includes mounting holes on both side edges, spaced 100, 200, and 300 mm vertically, to allow for attachment to either side of the display mounting plate
Dimensions	Height: 15.00 in. (381 mm) Width: 14.50 in. (368 mm) Depth: 1.87 in. (48 mm) (UC Bracket Assembly with HD-CONV-USB-200) 1.93 in. (49 mm) (UC Bracket Assembly with HD-CONV-USB-300)
Weight	7.7 lb (3.5 kg) (UC Bracket Assembly with HD-CONV-USB-200) 7.95 lb (3.6 kg) (UC Bracket Assembly with HD-CONV-USB-300)

Model

UC-M50-NC-T
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Available Accessories

For a list of available accessories, visit the UC-M50-NC-T product page.

Notes:

1. Display must support "Wake on Sync" and "Sleep on No Sync" functionality. Consult the display manufacturer's specifications or internal settings of the specific display.
2. Room control capability (lighting, shades, thermostats, and so forth) requires additional equipment and commissioning to be provided by a Crestron authorized integrator and/or programmer. Additional costs may apply.
3. A maximum of two touch screens or one touch screen and one Crestron Mercury device can be accommodated by the system. Only one control device may be connected via direct connection method.

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

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 https://www.crestron.com/contact/our-locations for your local contact.

This product is covered under the Crestron standard limited warranty. Refer to www.crestron.com/warranty for full details.

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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HDMI

Specifications are subject to change without notice.

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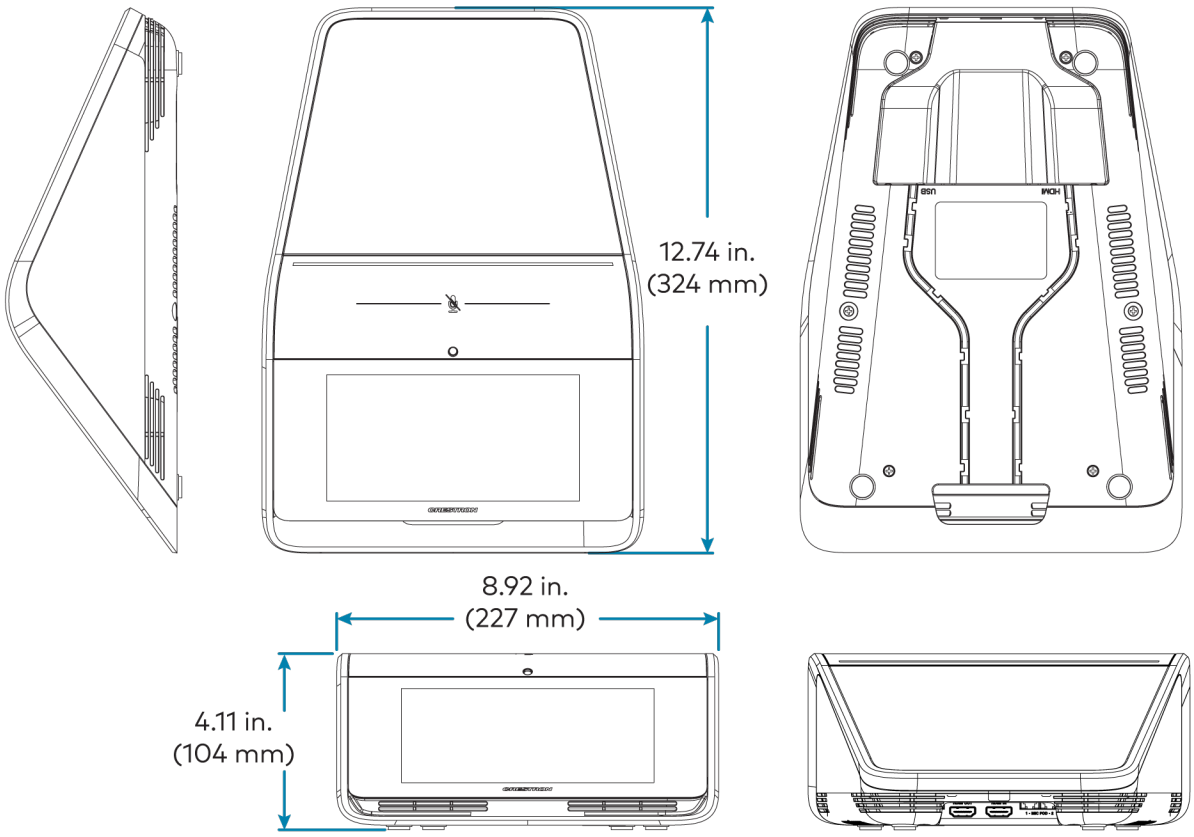
Crestron Flex Tabletop Conference Device (CCS-UC-1-T-V)



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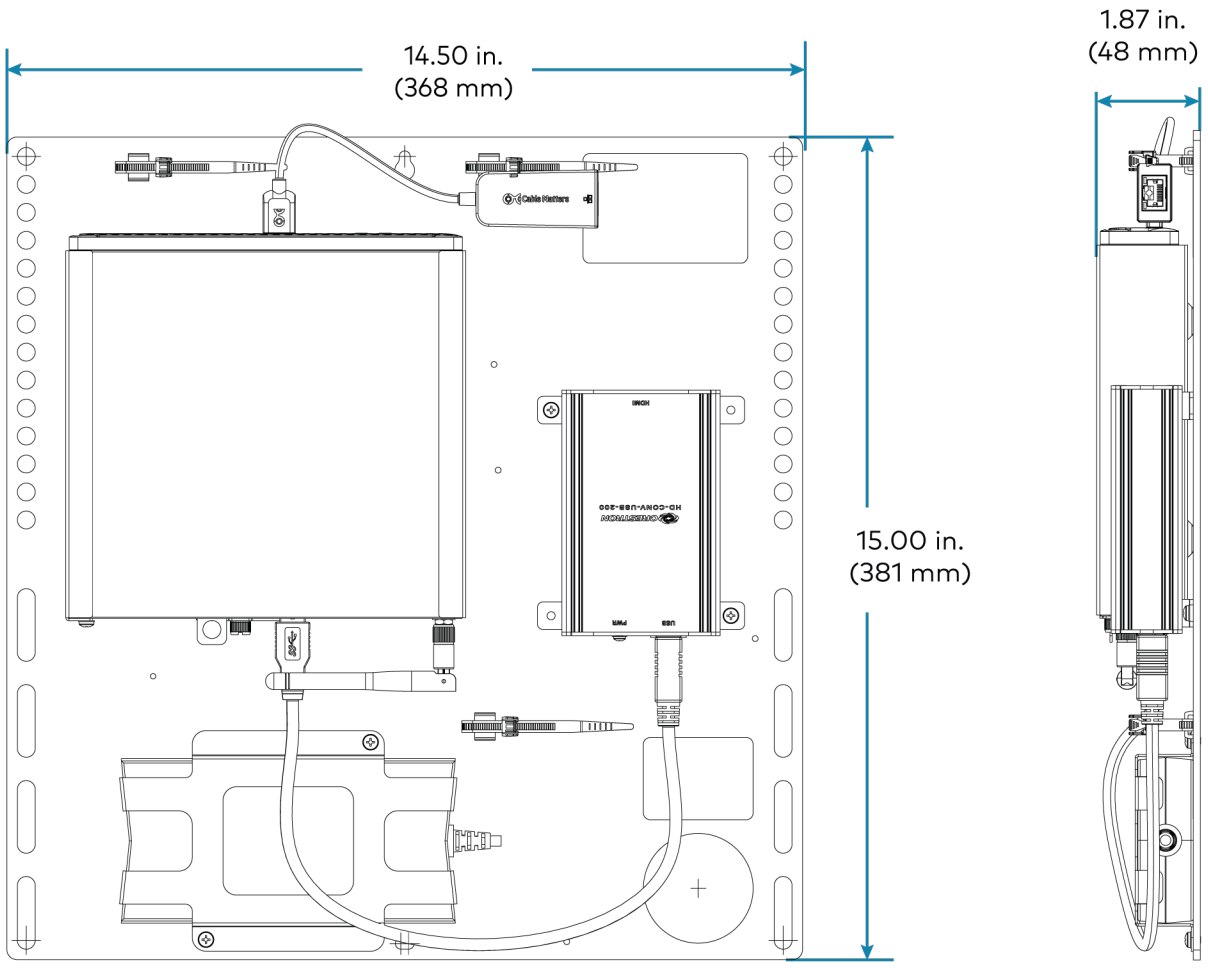
UC Bracket Assembly with HD-CONV-USB-200



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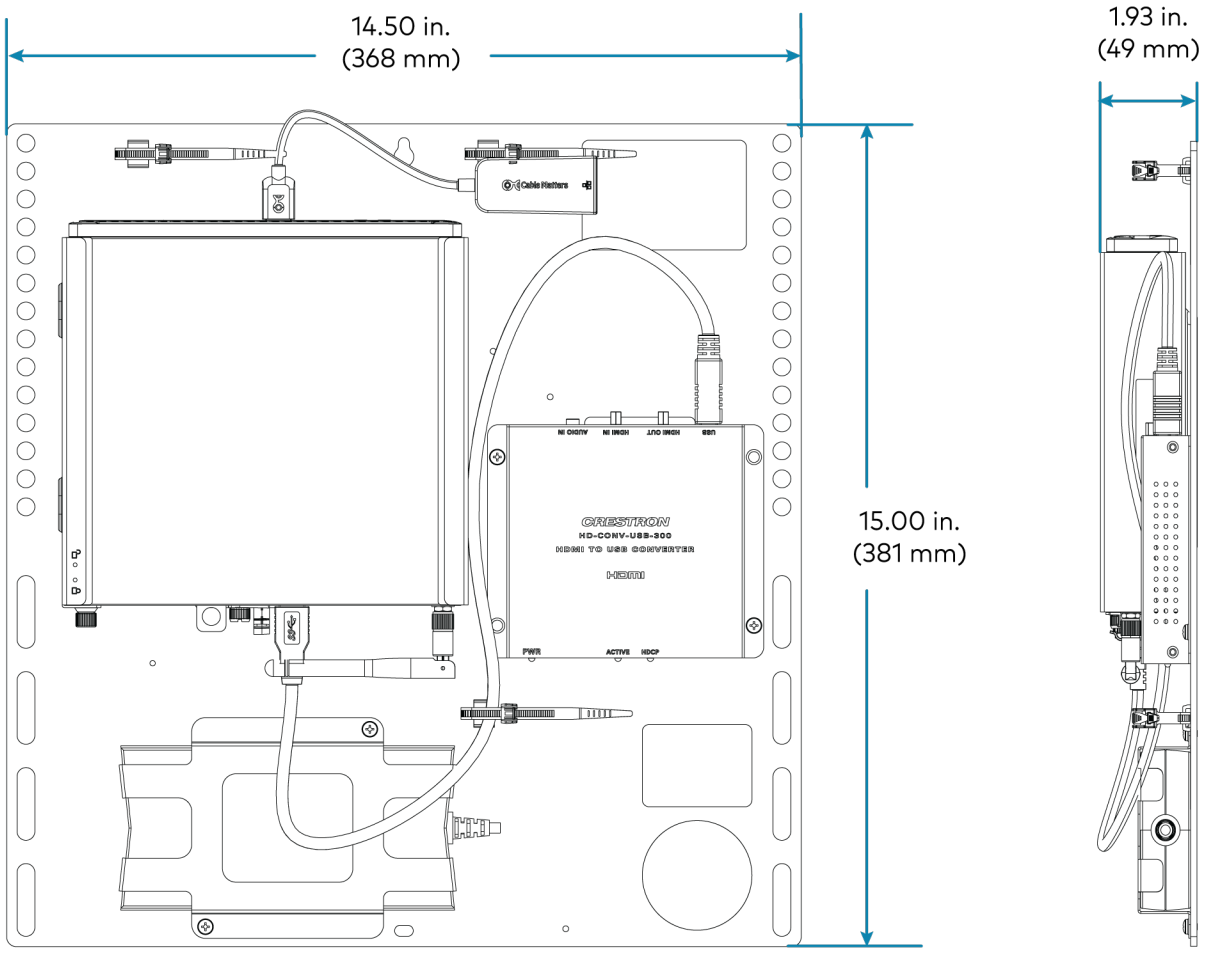
UC Bracket Assembly with HD-CONV-USB-300



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