UC-MX150-T

Crestron Flex Tabletop UC Video Conference System for Microsoft Teams® Rooms

Certified for Microsoft Teams

Certified for Skype for Business

- *Tabletop video conferencing solution for the Microsoft Teams® Rooms environment*
- *Present, call, conference, and collaborate using your own device's UC conference platform (BYOD) or the native Microsoft Teams Rooms platform*
- *Native Microsoft Teams Rooms touch screen UI provides a consistent user experience with simple operation and one-touch meeting joins*
- *Complete kit contains the Crestron Mercury X Tabletop Conference System, Huddly IQ™ Collaboration Camera, UC Bracket Assembly, and power supplies — just add display(s)[1] and mount*
- *Direct connection option for simple installation and configuration*
- *Easy to specify and install — no custom design, programming, or software installation required*
- *Network management and provisioning, system alerts, and the pairing of a Crestron Mercury device to the UC-MX150-T system's UC Engine through the Crestron XiO Cloud® service*
- *Connects and communicates securely over any enterprise or SMB network*
- *Enterprise-grade security*
- *Supports single or dual display configuration*

The Crestron Flex UC-MX150-T system provides a video conference room solution for use with the Microsoft Teams Rooms intelligent communications platform. It supports single or dual video displays, and features the Crestron Mercury® X Tabletop Conference System, UC Bracket Assembly, and Huddly IQ™ Collaboration Camera.

Native Microsoft Teams® Rooms Experience

The UC-MX150-T system brings the full Microsoft Teams Rooms UC experience to any meeting space in an enterprise or SMB facility, whether implementing a cloud based Microsoft Teams Rooms deployment, on-premises Skype® for Business software, or a hybrid of the two.

Bring Your Own Device (BYOD)

Conference room visitors can connect their laptop computer to the Crestron Flex system to use their own UC conference platform. The UC-MX150-T's built-in content ingest device switches to the connected laptop's UC platform and returns to the native Microsoft Teams Rooms platform when disconnected.

Crestron Mercury® X Tabletop Conference System

The Crestron Mercury X Tabletop Conference System (CCS-UC-1-X) provides a superior conferencing and collaboration experience for meeting rooms, huddle spaces, and executive offices. The CCS-UC-1-X delivers a simple and consistent user experience through its large 7 in. HD color touch screen. Its integrated AEC-enabled USB speakerphone affords exceptional full-duplex wideband audio performance.

The CCS-UC-1-X can also integrate with a Crestron control system to enable touch screen control of room lighting, motorized window shades, climate control, AV, and other amenities.[2]

For more information, refer to the CCS-UC-1-X product page.

UC Bracket Assembly

All the capabilities of a Microsoft Teams Rooms video conferencing and content sharing solution are powered by the UC Bracket Assembly (UC-BRKT-150-ASSY). The UC Bracket Assembly streamlines the installation of a Crestron UC system by assembling essential components together on one convenient and ready-to-mount bracket.

The UC Bracket Assembly can be mounted on a wall, or it can be attached to the rear of the display device. Attachment to the display is accomplished using two of the four bolts that also affix the display to a VESA® compliant display mount. The UC Bracket Assembly includes mounting holes on the left and right side edges, spaced at 100, 200, and 300 mm vertically, to allow for attachment to either side of the display mounting plate on the rear of the display device.

For more information, refer to the UC-BRKT-150-ASSY product page.

Huddly IQ™ Collaboration Camera

The included Huddly IQ Collaboration Camera (CCS-CAM-USB-F-400) features an ultra wide-angle 150° diagonal field of view to capture an entire conference room in Full HD 1080p video resolution. High precision aspherical optics, 12 MP CMOS sensor, and advanced video processing ensure a clear video image free from light or noise artifacts. Genius Framing digital autozoom detects the people in the

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room and frames them for an optimal view. With Genius Framing, there's no need to control the camera manually or rely on stored presets.

For more information, refer to the CCS-CAM-USB-F-400 product page.

Direct Connection

Crestron's direct connection method simplifies installation and configuration with a single connection from the CCS-UC-1-X to the UC-ENGINE. This method accelerates deployment, ensures reliability, and provides long-term service while eliminating network setup dependencies related to hardware and security requirements.[3]

Network Management and Security

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

IoT cloud based provisioning enables complete network configuration in advance of hardware delivery, with touchless updates following installation via Windows® software update. Crestron Fusion® software or Crestron XiO Cloud® management enables monitoring and logging of room and equipment usage, as well as centralized help desk support. Advanced security features ensure privacy, reliability, and compliance with your organization's IT policies.

Crestron XiO Cloud Provisioning and Management Service

The UC-MX150-T 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. The service enables installers and IT managers to deploy and manage thousands of devices in the amount of time it previously took to manage just one. As part of the UC-MX150-T system, the Crestron XiO Cloud service allows for system alerts, network management and provisioning, and the pairing of a Crestron Mercury device to the UC-MX150-T system's UC Engine. System updates are controlled by Windows Update. For more information, visit www.crestron.com/xiocloud.

Dual Control Option

A TSW-1060 touch screen may be added to the UC-MX150-T kit as an additional control point for the Microsoft Teams Rooms environment.[4]

Deployment Resources

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

Specifications

Included Components

UC-BRKT-150-ASSY	UC Bracket Assembly for Microsoft Teams Rooms systems, comprised of: • UC-ENGINE: UC Engine for Microsoft Teams Rooms systems; • Power cord for UC-ENGINE; • ADPT-USB-ENET: USB-to-Ethernet Adapter • HD-CONV-USB-250: HDMI® to USB 3.0 converter for content ingest; • PW-2412WU: Power pack for use with HD-CONV-USB-250; • Mounting Bracket containing UC-ENGINE, HD-CONV-USB-250, and cabling; • Mounting Hardware
CCS-UC-1-X	Crestron Mercury X Tabletop Conference System includes: • PW-2420RU Universal power supply and power cord • Cable, CAT5e, RJ-45-to-RJ-45, 12 ft (3.66 m); • Cable management hardware
CCS-CAM-USB-F-400	Huddly IQ Collaboration Camera
CBL-CAT5E-7	Ethernet LAN cable, CAT5e, RJ-45-to-RJ-45, black, 7 ft (2.1 m)
CBL-HD-THIN-HS-6	(2) Thin HDMI cable for connecting display device, Type A male-to-male, 6 ft (1.8 m)
CBL-USB-A-BMICRO-6	USB 2.0 A - Micro-B cable, 6 ft (1.8 m)
CBL-USBC-HD-9	USB-C® to HDMI converter cable, USB Type-C® male to HDMI Type A male, 9 ft (2.7 m)
DM-CBL-ULTRA-PC-20	Ethernet LAN cable for touch screen, CAT6a, RJ-45-to-RJ-45, blue, 20 ft (6 m)
UC-CAM-WMK	Wall Mount Kit for Crestron Cameras

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Crestron Mercury X Tabletop Conference System

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 & Light Bar	(2) Capacitive buttons with bi-color LEDs, either button toggles between mute and unmute, the symbol LED flashes green when the unit is powering up, all LEDs illuminate red when the mic is muted, all LEDs illuminate green when the mic is unmuted during an active call or online meeting
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, 11 W amplifier power, 95 dB SPL at 0.5 m maximum output, 90 Hz to 22 kHz frequency response
Microphones	360° quad mic array, 20 ft (6 m) typical pickup range
Extension Microphones	Supports two mic pods, model CCS-UCA-MIC KIT (sold separately)
Occupancy Sensor	Patent-pending Persistent Occupancy Awareness combining passive infrared motion and voice activity detection, 6 ft (1.83 m) PIR range in front of touch screen, activates touch screen and reports room occupancy to Crestron Fusion monitoring and scheduling software
Ethernet	100 Mbps; enterprise grade security and management including IEEE 802.1X, Active Directory® authentication, LDAP, Kerberos, SSL, TLS, SSH, SFTP (SSH File Transfer Protocol), SRTP, digest access authentication, password login, HTTPS secure provisioning, Crestron XiO Cloud client
USB	USB 2.0 micro Type B device port, supports UAC for audio interface to UC Engine (cable included)
Power	24 VDC via external 100-240 VAC, 50/60 Hz power pack, model PW-2420RU (included)

NOTE: The CCS-UC-1-X cannot be powered by Power over Ethernet (PoE+).

Dimensions	Height: 4.11 in. (105 mm) Width: 8.92 in. (227 mm) Depth: 12.74 in. (324 mm)
Weight	5.5 lb (2.5 kg)

Refer to the CCS-UC-1-X specifications for additional information.

Camera

Model	Huddly IQ
Field of View	150° diagonal, 120° horizontal, 90° vertical
Connectivity	Plug-and-play USB 3.1
Resolution/FPS	HD 1080p @ 30 fps
Dimensions	Height: 1.30 in. (33 mm) Width: 1.58 in. (40 mm) Depth: 2.82 in. (72 mm)
Weight	4.1 oz (115 g)

Refer to the CCS-CAM-USB-F-400 specifications for additional information.

UC Bracket Assembly

Mini PC	Intel Core® processor with Windows® 10 IOT Edition OS, 4K UHD Graphics, and 100/1000 Mbps Ethernet connectivity
UC Client	Microsoft Teams Rooms or Skype for Business Software
Management Client	Crestron XiO Cloud Service
USB	USB 3.0 host supporting USB HID, UAC, and UVC for audio conference soundbar, camera, content ingest, and keyboard/mouse devices
Content Ingest	HDMI input via HDMI to USB 3.0 converter (model HD-CONV-USB-250)
Display Output	Single or dual display support
Camera Input Resolution	HD 1080p @ 30 fps
Display Output Resolution	4K UHD
Power	90 W via external 100-240 VAC, 50/60 Hz adapter (included)

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Construction	Metal mounting bracket, black, preassembled with UC Engine and USB to HDMI 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; the 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: 16.50 in. (419 mm) Width: 15.00 in. (381 mm) Depth: 1.27 in. (32 mm)

Refer to the UC-ENGINE, HD-CONV-USB-250, and UC-BRKT-150-ASSY spec sheets for additional specifications and compliances.

Model

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Available Accessories

CCS-UCA-SMK
Swivel Mount Kit

CCS-UCA-MIC KIT
Microphone Pods, set of 2

SW-FUSION-C-3
Crestron Fusion Cloud; 250 rooms; 3-year service, support, and updates

SW-FUSION-P-L
Crestron Fusion On-premises; Unlimited rooms; lifetime service, support, and updates

SW-XIOC-S-1
Crestron XiO Cloud Standard Provisioning and Management Service for one device, 1 year subscription

SW-XIOC-P-1
Crestron XiO Cloud Premium Provisioning and Management Service for one device, 1 year subscription

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, etc.) requires additional equipment and commissioning to be provided by a Crestron authorized integrator and/or programmer. Additional costs may apply.
3. If the CCS-UC-1-X must be managed by the Crestron XiO Cloud® service, it must be on the same VLAN as the UC-ENGINE. Refer to the UC-MX150-T Quick Start Guide (Doc. 8631) for details.
4. Only one control device may be connected via direct connection method.

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 by calling 855-263-8754.
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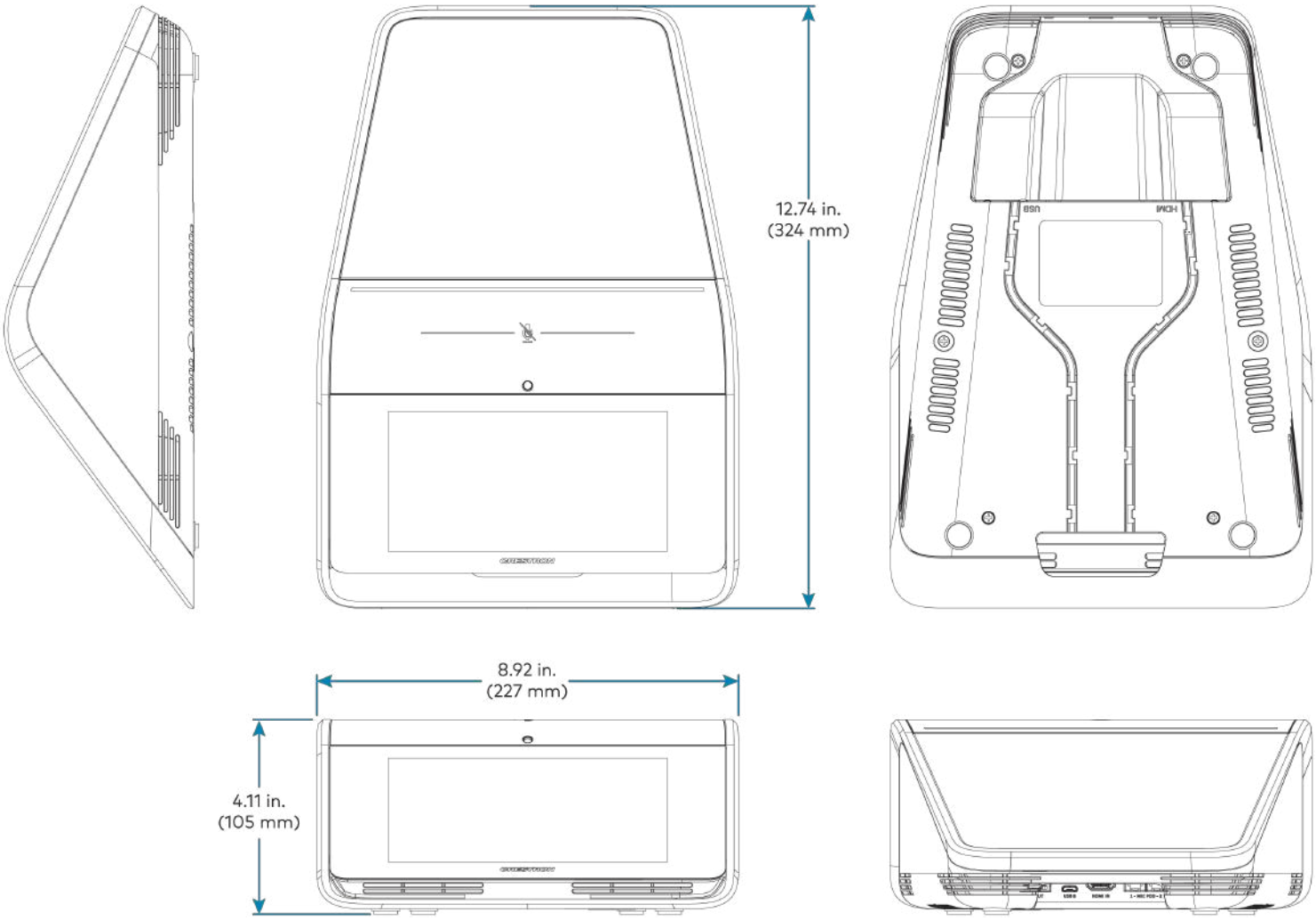
CCS-UC-1-X



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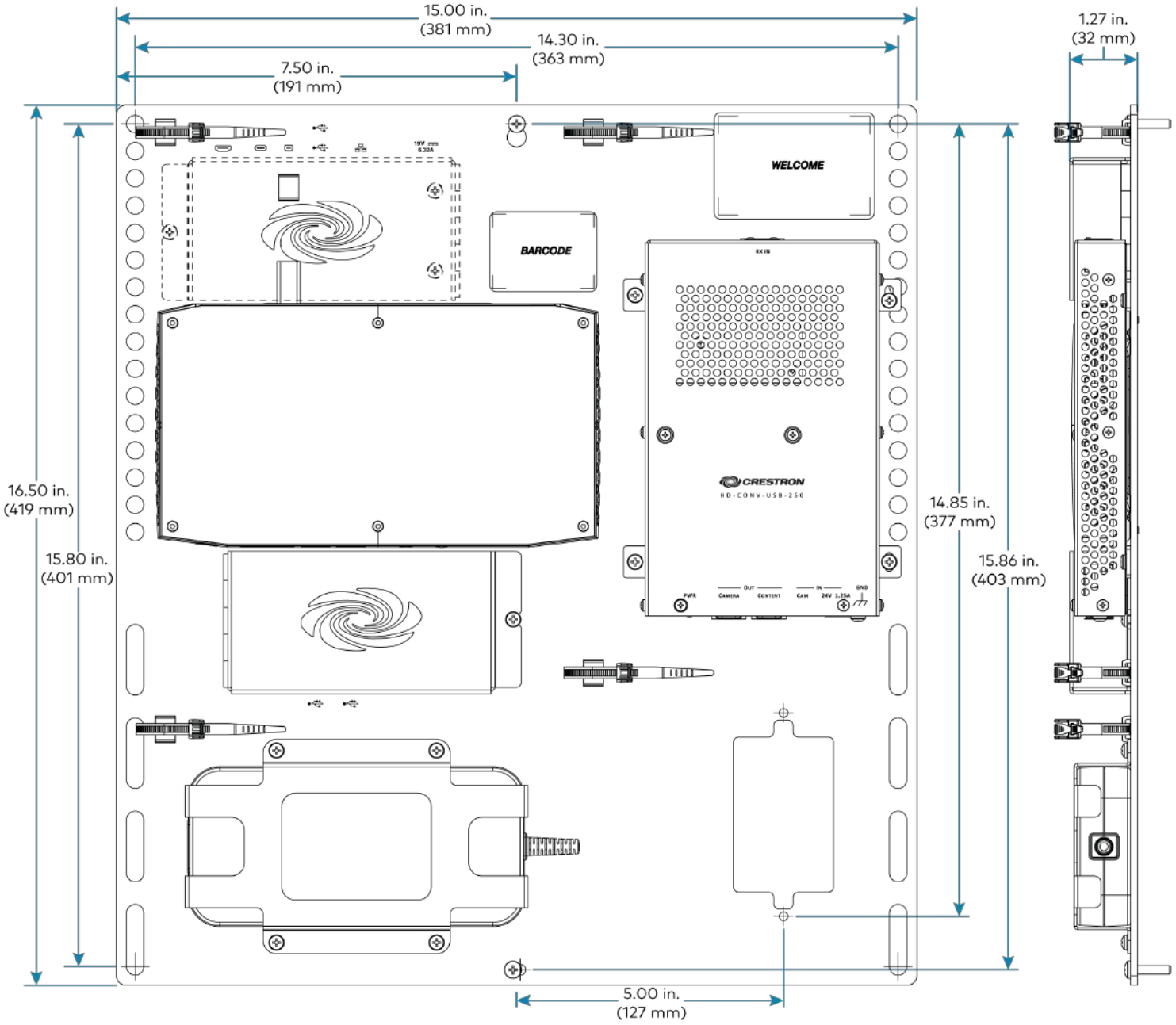
UC-BRKT-150-ASSY



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