

# UC-FCMX-T

## Crestron Flex R-Series Plus Mobile UC System with BYOD Support for Microsoft Teams® Rooms



- *Rapid deployment mobile UC system for presenting, calling, conferencing, and collaborating*
- *Supports Microsoft Teams® conferencing software*
- *BYOD support*
- *Utilizes the Crestron Mercury® X console to provide a superior conferencing and collaboration experience*
- *Includes an intelligent Huddly IQ™ camera with a 150° field of view (CCS-CAM-USB-F-400)*
- *20 ft microphone range with 360° quad array*
- *Supports most 50 in. to 60 in. displays (not included)*
- *Easy to provision and manage with the XiO Cloud® service*
- *Enterprise-grade security for connecting and communicating over any enterprise or SMB network*

The Crestron Flex R-Series Plus mobile UC system can be rapidly deployed to provide convenient video conferencing in a variety of professional settings, such as corporate, education, healthcare, or manufacturing environments. A Crestron unified communications engine assembly comes pre-installed for easy component installation and hookup. All components mount to a wheeled cart to bring collaboration to wherever it is needed.

### Native Microsoft Teams® Software Experience

R-Series UC systems feature Microsoft Teams conferencing software for easy collaboration and content sharing.

### Bring Your Own Device (BYOD)

Meeting participants can connect their laptop computer to the R-Series system to use their own UC conference platform. The system's built-in content ingest device automatically switches to the connected laptop's UC platform and returns to the native Microsoft Teams environment when disconnected.

### Crestron Mercury® X Tabletop Console

The included Crestron Mercury X Tabletop Console (CCS-UC-1-X) provides superior conferencing and collaboration for R-Series systems. 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 full-duplex wideband audio performance.

For more information, refer to the [CCS-UC-1-X](#) product page.

### Huddly IQ™ Camera

The included Huddly IQ camera features an ultra wide-angle 150° diagonal field of view to capture any space 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 intelligently detects the people in the room and frames them for an optimal view.

### UC Engine Assembly

Microsoft Teams video conferencing solutions are powered by the UC Engine (UC-ENGINE), a powerful Intel® NUC Mini PC running Microsoft Teams software. The UC Engine Assembly (UC-BRKT-150-ASSY) streamlines the installation of a Crestron® UC system by providing the UC Engine on one ready-to-mount bracket that attaches to the inside frame of an R-Series mobile UC system.

For more information, refer to the [UC-BRKT-150-ASSY](#) product page.

### XiO Cloud® Provisioning and Management Service

Crestron Flex R-Series systems are enterprise grade solutions that are equipped for mass deployment. R-Series systems are easily manageable with the XiO Cloud service, an IoT (Internet of Things) based platform for remotely provisioning, monitoring, and managing Crestron devices. The service allows for the deployment and management of thousands of devices in the amount of time it previously took to manage just one. Advanced security features ensure privacy, reliability, and compliance with your organization's IT policies.

For more information, visit [www.crestron.com/xiocloud](http://www.crestron.com/xiocloud).

### Deployment Resources

View the [Crestron Flex Pre-Deployment Checklist](#) to help plan your Crestron Flex installation.

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## Specifications

### Included Components

<b>Wheeled Cart</b>	Metal frame comprised of: (4) Caster wheels; Display mounting bracket; Custom shelving for Crestron components; Power and Ethernet cable retractors
<b>CCS-UC-1-X</b>	Crestron Mercury X Tabletop Console; PW-2420RU Universal power pack for audio conference console; Cable, CAT5e, RJ-45 Male - RJ-45 Male, 12 ft (3.66 m); Cable, USB 2.0, A - Micro B, 6 ft (1.83 m); Retention Plate, Cable Tie Wrap
<b>CCS-CAM-USB-F-400</b>	Huddly IQ camera
<b>UC-BRKT-150-ASSY</b>	UC Engine Assembly, comprised of: UC-ENGINE: UC Engine for Microsoft Teams video; HD-CONV-USB-250: HDMI® to USB 3.0 converter for content ingest; Mounting Bracket
<b>CBL-CAT5E-7</b>	Ethernet LAN cable for UC Engine, RJ45-to-RJ45, black, 7 ft (2.1 m)
<b>CBL-HD-THIN-HS-6</b>	Thin HDMI cable for connecting display device, Type A male-to-male, 6 ft (1.83 m)
<b>CBL-HD-20</b>	HDMI cable for content source, Type A male-to-male, 20 ft (6.1 m)
<b>CBL-USB-A-BMICRO-6</b>	USB Cable, USB Type A Male to Micro-B Male, 6 ft (1.83 m)
<b>CBL-USBC-HD-9</b>	USB-C® to HDMI converter cable, USB Type-C® male to HDMI Type A male, 9 ft (2.74 m)
<b>CEN-SW-POE-5</b>	5-Port POE switch
<b>DM-CBL-ULTRA-PC-20</b>	Ethernet LAN cable, CAT6a, RJ45-to-RJ45, blue, 20 ft (6.1 m)

### Crestron Mercury X Conferencing Console

<b>Touch Screen</b>	7 in. (178 mm) diagonal capacitive multi-touch TFT active matrix color LCD, 1280 x 800 pixels
<b>UI</b>	Microsoft Teams UI

### Mic Mute Symbol and 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 with maximum output, 90 Hz to 22 kHz frequency response

### Microphones

360° quad mic array, 20 ft (6.1 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, sensor 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

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

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## Crestron Flex R-Series Plus Mobile UC System with BYOD Support for Microsoft Teams® Rooms

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

Refer to the [CCS-UC-1-X](#) product page for additional information.

### Camera

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

Refer to the [CCS-CAM-USB-F-400](#) product page for additional information.

### UC Engine Assembly

<b>Mini PC</b>	Intel® NUC Kit NUC6i7KYK
<b>Processor</b>	Intel Core® processor with Windows® 10 IOT Edition OS, 4K UHD Graphics, and 100/1000 Mbps Ethernet connectivity
<b>UC Client</b>	Microsoft Teams Rooms or Skype® for Business Software
<b>Management Client</b>	XiO Cloud Service
<b>USB</b>	USB 3.0 host supporting USB HID, UAC, and UVC for audio conference soundbar, camera, content ingest, and keyboard/mouse devices
<b>Content Ingest</b>	HDMI input via HDMI to USB 3.0 converter (model HD-CONV-USB-250)
<b>Display Output</b>	Single or dual display support
<b>Camera Input Resolution</b>	HD 1080p @ 30 fps
<b>Display Output Resolution</b>	4K UHD
<b>Power</b>	90 W via external 100-240 VAC, 50/60 Hz adapter (included)
<b>Construction</b>	Metal mounting bracket, black, preassembled with UC Engine and USB to HDMI converter

<b>Mounting</b>	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
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<b>Dimensions</b>	Height: 16.50 in. (419 mm) Width: 15.00 in. (381 mm) Depth: 1.27 in. (32 mm)
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Refer to the [UC-ENGINE](#), [HD-CONV-USB-250](#), and [UC-BRKT-150-ASSY](#) product pages for additional information.

### Wheeled Cart

<b>Wheels</b>	(4) Casters
<b>Cable Management</b>	Ethernet cable retractor; Power cable retractor; Cable management kit consisting of (2) large and (2) small openings
<b>Display Mounting</b>	VESA® compliant mounting bracket for 50 in. to 60 in. displays
<b>Device Mounting</b>	Custom shelf beneath the display mounting bracket for the included Crestron Mercury device
<b>Construction</b>	Steel subframe
<b>Dimensions</b>	Height: 68.9 in. (1750 mm) without display and display bracket Width: 43.5 in. (1105 mm) without display and display bracket Usable Depth: 4.3 in. (109 mm)
<b>Cart Weight</b>	206 lbs
<b>Capacity Weight</b>	190 lbs
<b>Compliance</b>	UL® listed for US and Canada

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## Crestron Flex R-Series Plus Mobile UC System with BYOD Support for Microsoft Teams® Rooms

### Models

#### UC-FCB-T

Crestron Flex R-Series Mobile UC System for Microsoft Teams® Rooms

#### UC-FCB-Z

Crestron Flex R-Series Mobile UC System for Zoom Rooms™ Software

#### UC-FCM-T

Crestron Flex R-Series Plus Mobile UC System for Microsoft Teams® Rooms

#### UC-FCM-Z

Crestron Flex R-Series Plus Mobile UC System for Zoom Rooms™ Software

#### UC-FCMX-T

Crestron Flex R-Series Plus Mobile UC System with BYOD Support for Microsoft Teams® Rooms

#### UC-FCMX-Z

Crestron Flex R-Series Plus Mobile UC System with BYOD Support for Zoom Rooms™ Software

#### UC-FCM-U

Crestron Flex R-Series Plus Mobile UC System with Universal Platform Support

### Included Accessories

#### CCS-UC-1-X

Crestron Mercury® X Tabletop Console

#### CCS-CAM-USB-F-400

Huddly IQ™ Collaboration Camera

#### UC-BRKT-150-ASSY

UC Engine Assembly with UC-ENGINE, HD-CONV-USB-250, and UC-CONN-HD

#### CBL-CAT5E-7

CAT5e Cable, RJ45-to-RJ45, Black, 7 ft (2.1 m)

#### CBL-HD-20

Crestron® Certified HDMI® Interface Cable, 18 Gbps, 20 ft (6.1 m)

#### CBL-HD-THIN-HS-6

HDMI Cable, Thin, Type A Male-to-Male, 6 ft (1.83 m)

#### CBL-USB-A-BMICRO-6

USB Cable, USB Type A Male to Micro-B Male, 6 ft (1.83 m)

#### CBL-USBC-HD-9

USB-C® to HDMI® Converter Cable, USB Type-C® Male to HDMI Type A Male, 9 ft (2.74 m)

#### CEN-SW-POE-5

5-Port PoE Switch

#### DM-CBL-ULTRA-PC-20

DigitalMedia™ Ultra Patch Cable, 20 ft (6.1 m)

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](http://www.crestron.com/How-To-Buy/Find-a-Representative) or by calling 855-263-8754.

This product is covered under the Crestron standard limited warranty. Refer to [www.crestron.com/warranty](http://www.crestron.com/warranty) for full details.

The specific patents that cover Crestron products are listed online at [patents.crestron.com](http://patents.crestron.com).

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UC-FCM-T, UC-FCM-Z, UC-FCMX-T, UC-FCMX-Z

