CRESTRON®

UC-Enterprise
Microsoft Teams®
Design Guide

The Crestron Flex UC Product Line

What to use when and why

ROOM TYPE	ROOM USAGE CASE	USE CRESTRON FLEX
Private Spaces **Number of People:** Single Person **Primary Activity:** Audio Conference Calls	BYOD	UC-MM30-TA
	Native Microsoft Teams® Software	UC-MM30-T
		UC-B30-T
Small Meeting Rooms **Number of People:** Less than 5 **Primary Activity:** Video Conferencing	BYOD	UC-MM30-TA
	Native Microsoft Teams® Software	UC-MM30-T
		UC-B30-T
Medium Meeting Rooms **Number of People:** Less than 15 **Primary Activity:** Video Conferencing, Collaboration, Content Sharing	BYOD	UC-M50-UA, UC-M50-U, UC-MX50-U
	Native Microsoft Teams® Software	UC-M50-T, UC-MX50-T
Large Meeting Rooms **Number of People:** Less than 30 **Primary Activity:** Video Conferencing, Collaboration, Content Sharing	BYOD	UC-M70-UA, UC-M70-U, UC-MX70-U
	Native Microsoft Teams® Software	UC-M70-T, UC-MX70-T
Custom Spaces **Number of People:** Unlimited **Primary Activity:** Presentation, Training, Lectures	Native Microsoft Teams® Software	UC-C100-T

Custom: With either a UC-C100-T, these kits can seamlessly integrate with **UC supporting peripheral devices such as cameras, microphones, speakers** and other essential components needed to design a fully custom video conference space

Key Features:

1. **Easy to Use:**

   - **Native & BYOD:** Crestron Flex UC solutions allow the user to simply invite the room and join with one touch in native Microsoft Teams mode. Flex also allows users to bring their device running any UC software and simply plug into the UC device to utilize the mics, speakers and camera

2. **Easy to deploy and manage**

   - **Zero programming:** Simply log into the Microsoft Teams account on the Crestron Flex UC device

   - **Zero touch provisioning:** Using Crestron XiO Cloud™ service, provision remotely

   - **Deploy, Manage, Monitor, Evolve:** Thousands of devices anytime/anywhere

3. **Lowest Total Cost of Ownership**

   - With no programming and zero touch provisioning, Crestron Flex UC devices are the most cost-effective units to deploy, manage and maintain

4. **Mode Swap on Advanced (X) devices**

   - Have IT switch deployed Advanced devices between native Microsoft Teams and Zoom Rooms™ UC softwares

Small UC Room
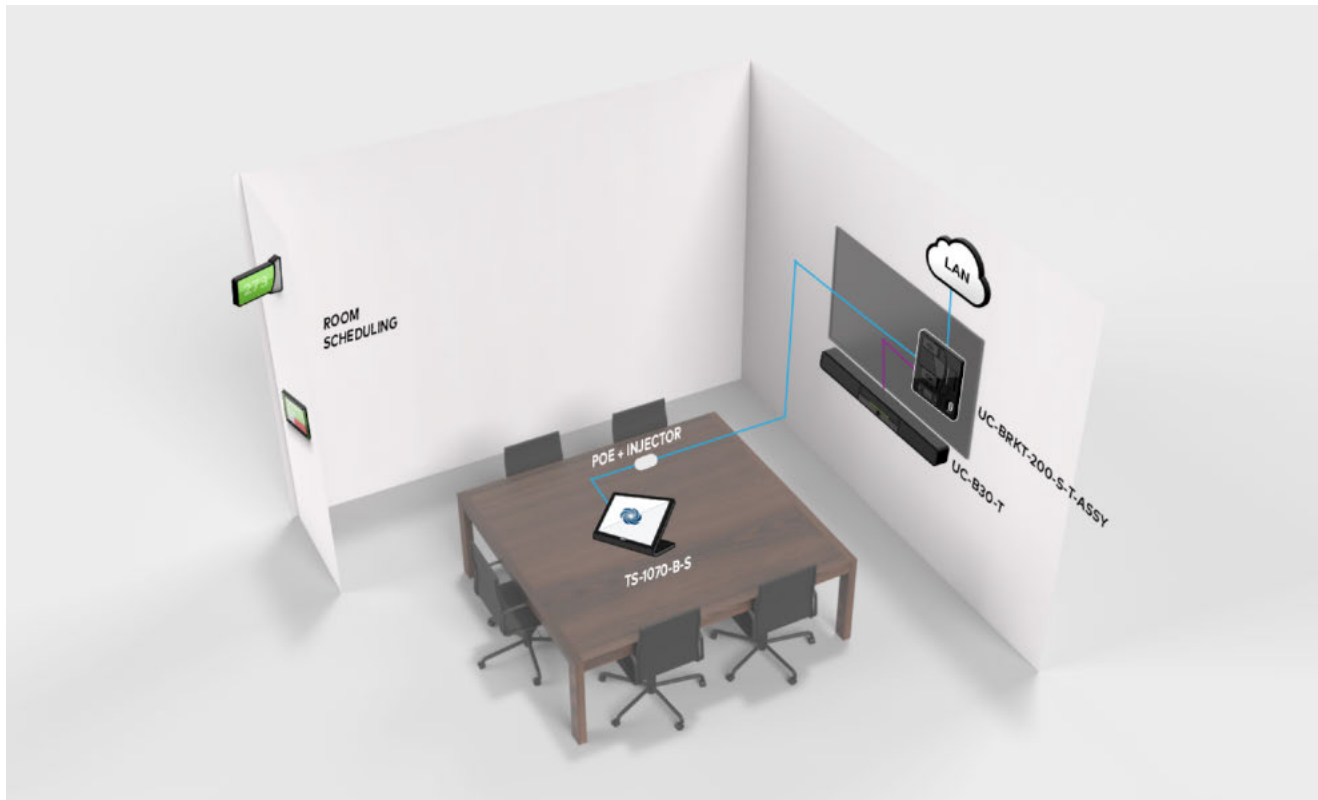## Using A Crestron Flex All in One Tabletop Device

Key: ● CAT 5/6 ● HDMI® Cable ● USB

☑ Models Include:

  – UC-MM30-TA

  – UC-MM30-T

  – UC-MMX30-T (Coming Soon)

☑ For Microsoft Teams Audio Use:

  – UC-MM30-TA for native Microsoft Teams Audio or BYOD via USB to use the device peripheals with any UC software

☑ For Native Microsoft Teams Software Use:

  – UC-MM30-T for single video display with an intelligent camera with native Microsoft Teams UC software

☑ For Dual Mode Technology Use:

  – UC-MMX30-T for single cable to table single video display with a professional camera with **BOTH** native Microsoft Teams UC software and BYOD/Open UC Platforms (**coming Q4 2020**)

Small UC Room
Using A Crestron Flex Front Of Room Soundbar
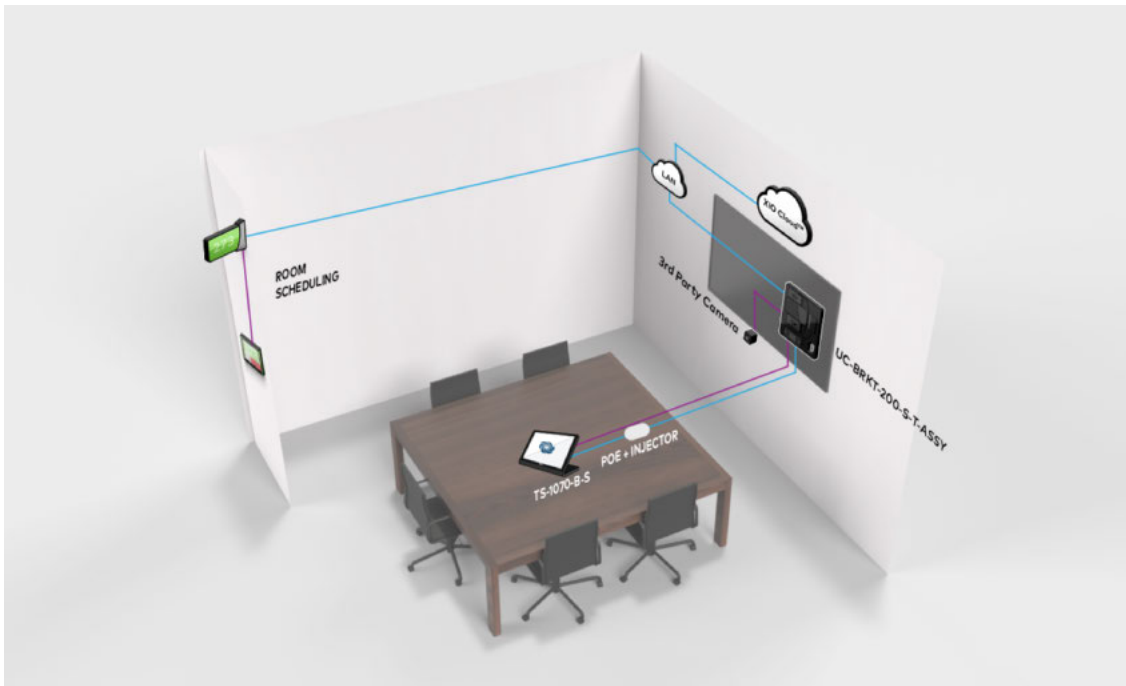

Key: ● CAT 5/6 ● HDMI® Cable ● USB

☑ Models Include:
  – [UC-B30-T](#)
  – UC-BX30-T (Coming Soon)

☑ Small meeting rooms are designed for less than 5 people
  – Used primarily for video conferencing

☑ Native Microsoft Teams with one touch join
  – Simple to use with consistent user experience
  – Immersive UC experience

☑ Features the NEW TS-1070 touch screen
  – 10.1in. (257mm) widescreen active-matrix color display and 1920 x 1200 WXGA display resolution
  – Proximity sensor to wake up the system
  – Built in room/environmental control (requires control processor)

☑ Integrated room scheduling with illuminated wall mounted room availability indicator for easy viewing
  – Users and visitors always know where they are and what is going on in the room

Small UC Room

Using a Customizable Single Display Microsoft Teams Room

Key: ● CAT 5/6 ● HDMI® Cable ● USB

Introducing the UC-C100-T kits: Simple/economical customization within the **Microsoft Teams** UC software standards!

- Single display configuration for a more economical solution

- <u>Native</u> UC performance/functionality with the option to expand & customize

- Flexible to design and install with add-on/integration of Crestron & 3rd party devices without programming.

- Easy to manage with zero touch provisioning and monitoring from a true 100% Cloud management platform

- No additional hardware, software or infrastructure required

- Present, call, conference, and collaborate in any room using any choice of AV equipment making it easy to use for the end user

- Part of a smart building ecosystem with network management and provisioning, system alerts, and the pairing of a touch screen to the **UC-C100-T** system's UC Engine through the Crestron XiO Cloud™ service

- Direct connection option for simple installation and configuration

Medium UC Room
Using A Crestron Flex All in One Tabletop Device

Key: ● CAT 5/6 ● HDMI® Cable ● USB

☑ **Models Include**
- [UC-M50-UA](#)
- [UC-M50-U](#)
- [UC-M50-T](#)
- [UC-MX50-T](#)

☑ **For BYOD Use:**
- [UC-M50-UA](#)audio only solution for open platform UC applications
- [UC-M50-U](#)featuring an intelligent camera to provide a complete video conferencing solution for open UC platforms

☑ **For Native Microsoft Teams Software Use:**
- [UC-M50-T](#) for single video display with an intelligent camera with native Microsoft Teams UC software

☑ **For Dual Mode Technology Use:**
- [UC-MX50-T](#) for single cable to table single video display with a intelligent camera with **BOTH** native Microsoft Teams UC software and BYOD/ Open UC Platforms

Medium UC Room
Using A Crestron Flex All in One Tabletop Device with Dual Screen

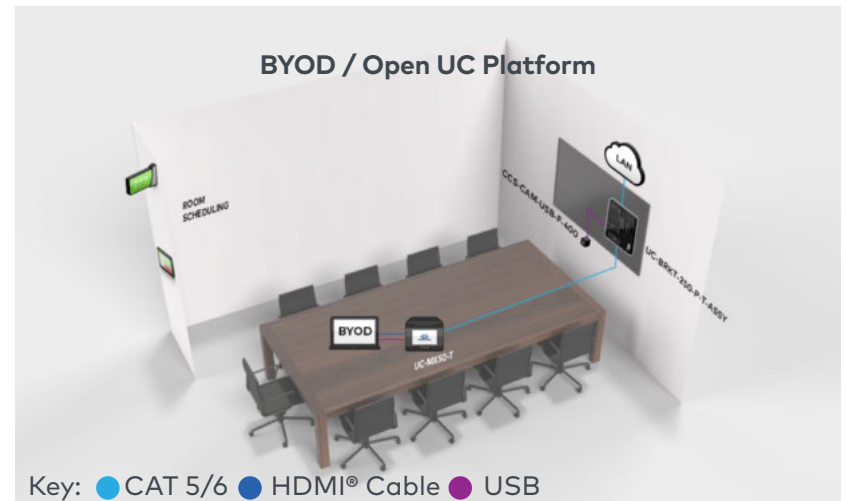Key: ● CAT 5/6 ● HDMI® Cable ● USB

☑ **Models Include**

– UC-MX50-T

☑ **Featuring a UC-MX50-T system with dual mode technology**

– Native Microsoft Teams UC software and BYOD in a single SKU without the need for additional hardware

☑ **20 ft microphone pickup radius**

– Supports meeting and room sizes of any type

– Expandable with optional microphone pods

☑ **Integrated room scheduling with illuminated wall mounted room availability indicator for easy viewing**

– Visitors will know where they are and what is going on

☑ **Simple/secure installation**

– Offers flexibility and simple deployment for the integrator

– Uses less peripherals & non-proprietary wiring/infrastructure including USB & PoE

Medium UC Room

All In One Tabletop Device Using Dual Mode Technology

☑ Exclusive Dual-Mode Technology

 – <u>ALL</u> rooms can now have **BOTH** Native Microsoft Teams UC software (one-touch-join) and Open Standard BYOD capability in **one device!**

☑ Less components to install and wire

 – All in one tabletop device

 – Only <u>ONE</u> wire needed from table to display!

 – 20' integrated microphone pickup range

☑ More integrated system flexibility

 – Single or dual video display

 – Advanced on screen video display (calendar and meeting info)

 – Occupancy sensor room automation

 – Integrated room control capable (paired with a control processor)

☑ Zero touch provisioning via direct-connect to a true 100% Cloud management platform

 – No additional hardware, software or infrastructure required

The **SAME UNIT** in the **SAME ROOM**
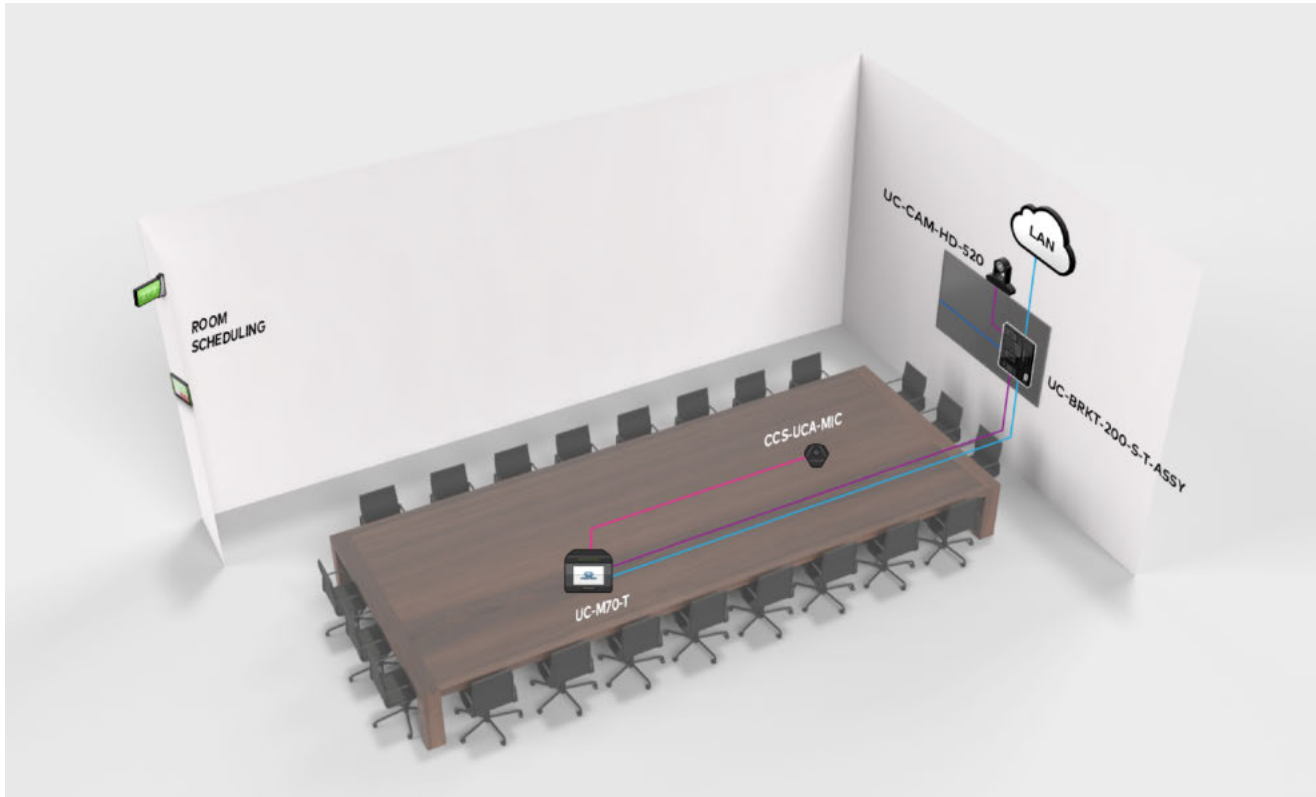can accommodate **BOTH** scenarios!

BYOD / Open UC Platform

Key: ● CAT 5/6 ● HDMI® Cable ● USB

Scenario 1: CEO has outside presenter coming in to present on Cisco, Bluejeans, Google etc.

Native Microsoft Teams UC Software

Key: ● CAT 5/6 ● HDMI® Cable ● USB

Scenario 2: CEO joins a UC meeting on Microsoft Teams UC platform with one touch join

Large UC Room
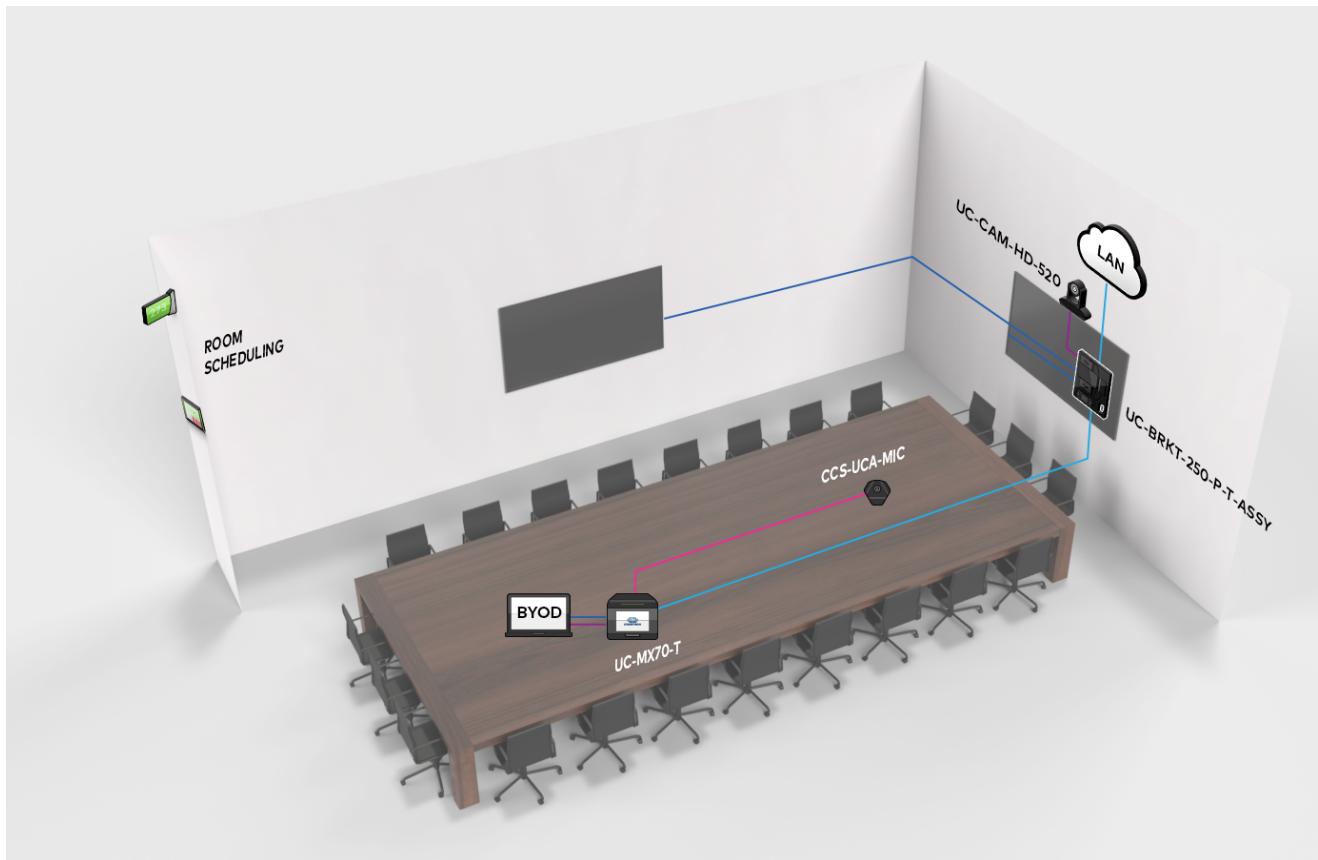## Using an All In One UC Device with Expanded Microphone Coverage

Key: ● CAT 5/6 ● HDMI® Cable ● USB ● Audio

☑ Models Include
  – UC-M70-T

☑ Featuring a UC-M70-T with native Microsoft Teams UC software
  – Native one touch join with a consistent user experience making the room simple to operate

☑ HD video with the included PTZ enterprise-grade camera
  – Wide-angle 82° diagonal field of view to capture an entire conference room in Full HD 1080p video resolution

☑ Integrated tabletop mic pod for enhanced audio expansion

☑ Simple installation for the integrator with no programming needed

☑ Integrated room scheduling using a commercial grade and purpose built TSS touch screen with highly visible room availability with a wall mounted indicator illuminated sign
  – Visitors always know where they are and what is going on

☑ Network management and provisioning, system alerts, and the pairing of the Crestron Flex tabletop conference device to the system's UC Engine through the XiO Cloud® service
  – Provides a more efficient smart building ecosystem

Large UC Room
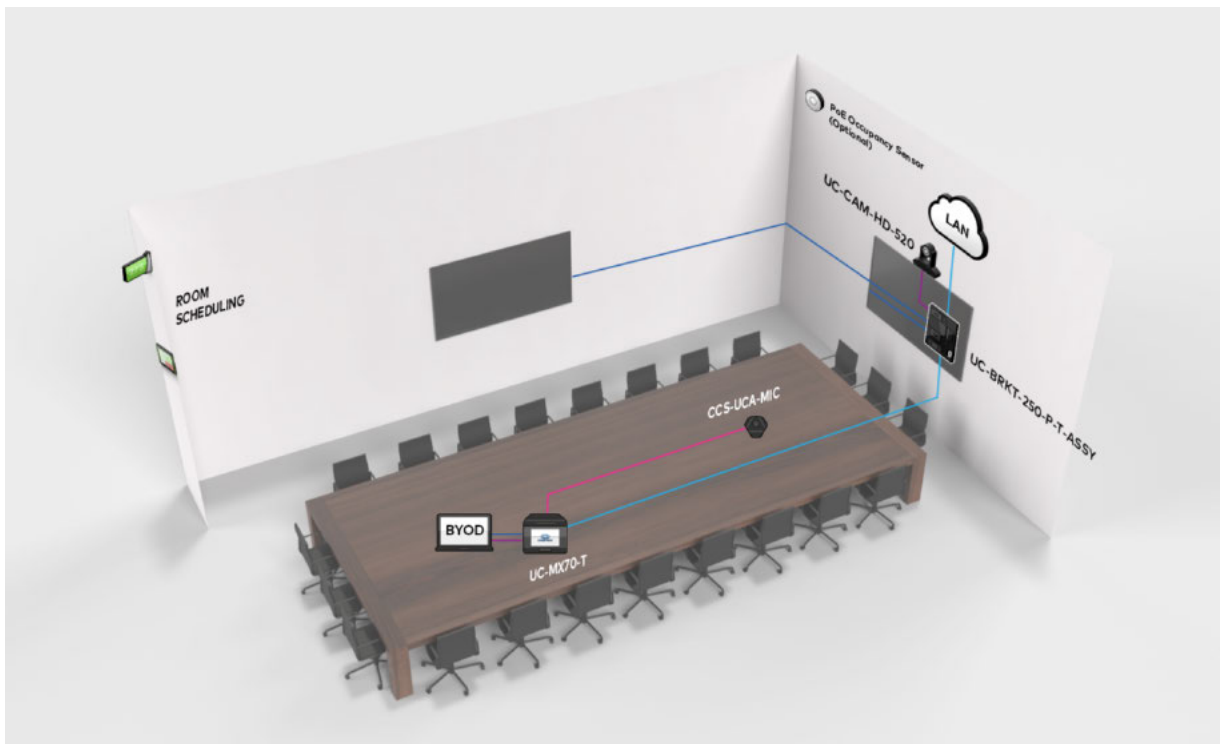## Using A Crestron Flex All in One Tabletop Device with Dual Display

Diagram labels: ROOM SCHEDULING, UC-CAM-HD-520, LAN, UC-BRKT-250-P-T-ASSY, CCS-UCA-MIC, BYOD, UC-MX70-T

Key: ● CAT 5/6 ● HDMI® Cable ● USB ● Audio

☑ Models Include

- UC-MX70-T

☑ Large meeting rooms are designed for less than 30 people

- Used primarily for video conferencing, collaboration and content sharing

☑ Featuring the UC-MX70-T with dual mode technology

- Single cable to table dual video display with a professional camera with **BOTH** native Microsoft Teams UC software and BYOD/Open UC Platforms

☑ Crestron Flex offers scalability via deployment and management via the Cloud

☑ Integrated 20 foot microphone pickup range but includes a mic pod for expanded microphone pickup range

- Supports a variety of space types and sizes

☑ Integrated room scheduling with illuminated wall mounted room availability indicator for easy viewing

☑ HD video with the included PTZ enterprise-grade camera

- Wide-angle 82° diagonal field of view to capture an entire conference room in Full HD 1080p video resolution

Large UC Room

All In One Tabletop Device Using Dual Mode Technology with Expanded Microphone Coverage

Native Microsoft Teams or BYOD / Open UC Platform
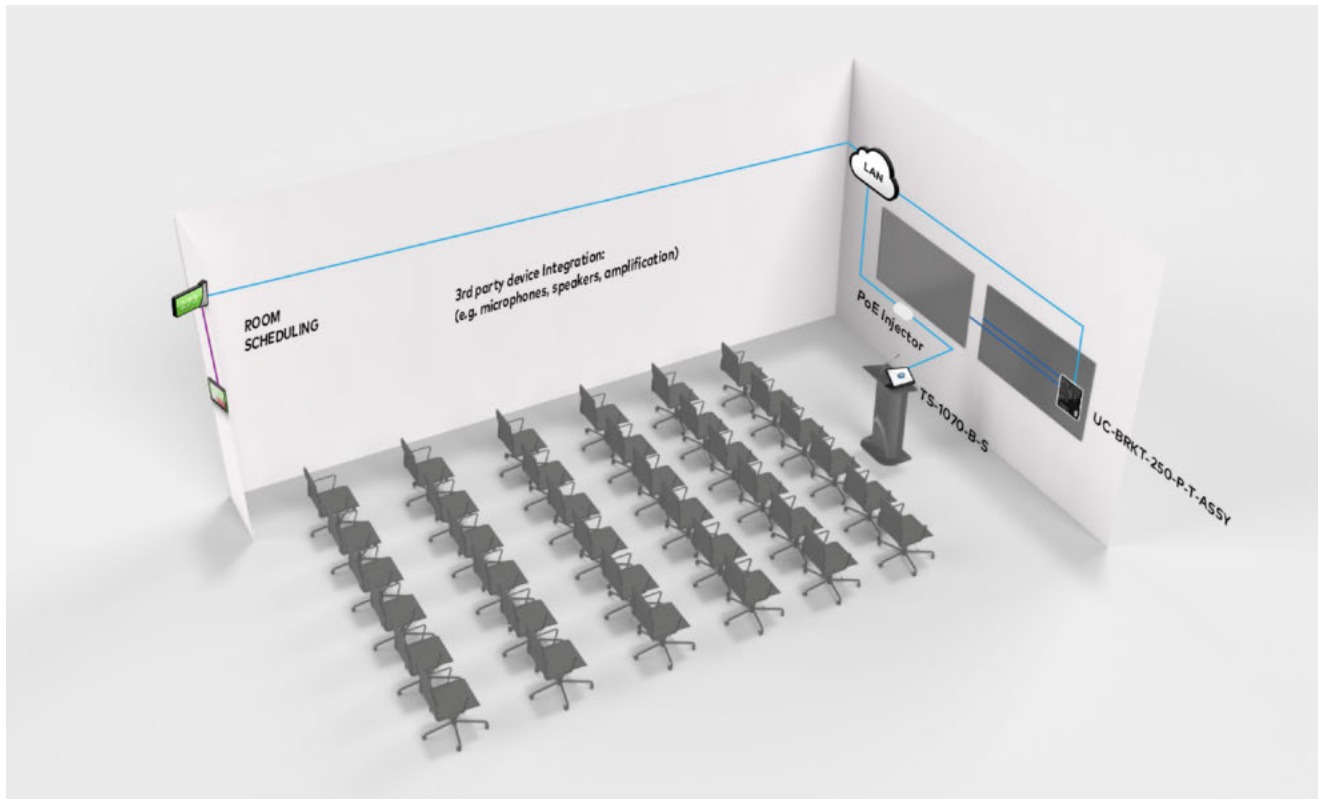

Key: ● CAT 5/6 ● HDMI® Cable ● USB ● Audio

☑ Exclusive Dual-Mode Technology

– **ALL** rooms can now have **BOTH** Native Microsoft Teams UC software (one-touch-join) and Open Standard BYOD capability in **one device!**

☑ Less components to install and wire

– All in one tabletop device

– Only **ONE** wire needed from table to display offering flexible placement for the tabletop unit

☑ Integrated 20 foot microphone pickup range but includes a mic pod for expanded microphone pickup range

– Supports a variety of space types and sizes

☑ More integrated system flexibility

– Single or dual video display

– Advanced on screen video display (calendar and meeting info)

– PoE Occupancy sensor room automation

– Integrated room control capable (control processor needed)

– POE Occupancy Sensor to improve efficiency via auto-release of rooms when space is not being used due to "no-shows"

☑ Zero touch provisioning via direct-connect to a true 100% Cloud management platform

– No additional hardware, software or infrastructure required

Large UC Room
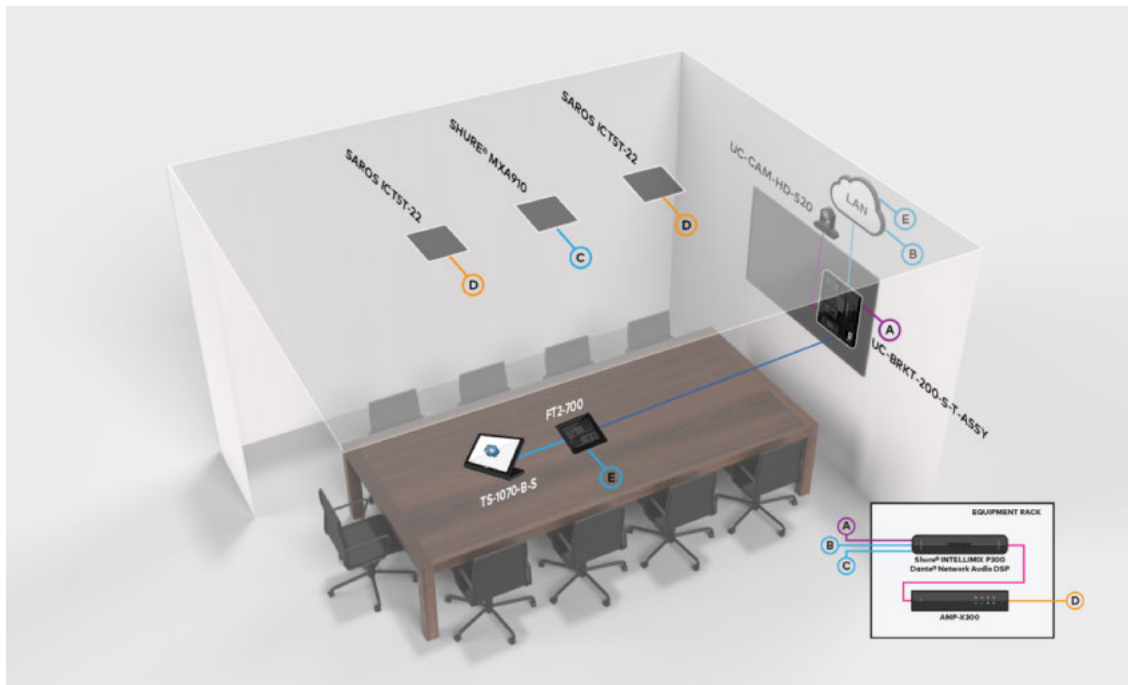## Using a Customizable Microsoft Teams Room Solution

Key: ● CAT 5/6 ● HDMI® Cable ● USB

☑ **Models Include**

- [UC-C100-T](#)
- UC-CX100-T (Coming Soon)

☑ **Custom rooms are designed for an unlimited amount of people**

- Used primarily for presentations, lectures and trainings

☑ **Seamless integration with UC supporting 3rd Party peripheral devices**

- Such as cameras, microphones, speakers and other essential components needed, including using Logitech Rally & Meetup
- For use with Single or Dual Display
- For use in spaces with divisible walls or more than two displays

☑ **For Native Microsoft Teams Software Use:**

- [UC-C160-T](#) for a customizable video conference room solution for use with the Microsoft Teams intelligent communications platform

Medium UC Room
Using Dante® Network Audio Microphones and Ceiling Speakers

Key: ● CAT 5/6 ● HDMI® Cable ● USB ● Audio ● Speaker

Introducing the UC-C100-T kits: Simple/economical customization within the **Microsoft Teams** UC software standards!

- Single display configuration for a more economical solution

- <u>Native</u> UC performance/functionality with the option to expand & customize

- Flexible to design and install with add-on/integration of Crestron & 3rd party devices without programming.

- Easy to manage with zero touch provisioning and monitoring from a true 100% Cloud management platform

- No additional hardware, software or infrastructure required

- Present, call, conference, and collaborate in any room using any choice of AV equipment making it easy to use for the end user

- Part of a smart building ecosystem with network management and provisioning, system alerts, and the pairing of a touch screen to the **UC-C100-T** system's UC Engine through the Crestron XiO Cloud™ service

- Direct connection option for simple installation and configuration

Virtual Classroom w/ Mobile Cart

Electronic Whiteboard with a Rapid Deployment System

XiO **CLOUD**

Owner Furnished
Local Area Network

● CAT-5/6

LAN

UC-FCM-T
Crestron Flex R-Series
Rapid Deployment System
(Microsoft Teams)

Remote Viewer

Owner Furnished Laptop

LAN

Owner Furnished Laptop

LAN

Owner Furnished Laptop

For the User

- Dedicated UC experience

  › Users get the same exact experience that they would in a dedicated UC meeting room

- BYOD capabilities

  › Communicate with remote participants without any compromises

- Built in AirMedia wireless presentation so users do not need to touch anything to display their content on the screen

For the IT Department

- Remotely manage/monitor just as any other room with the Crestron XiO Cloud service from a single pane of glass
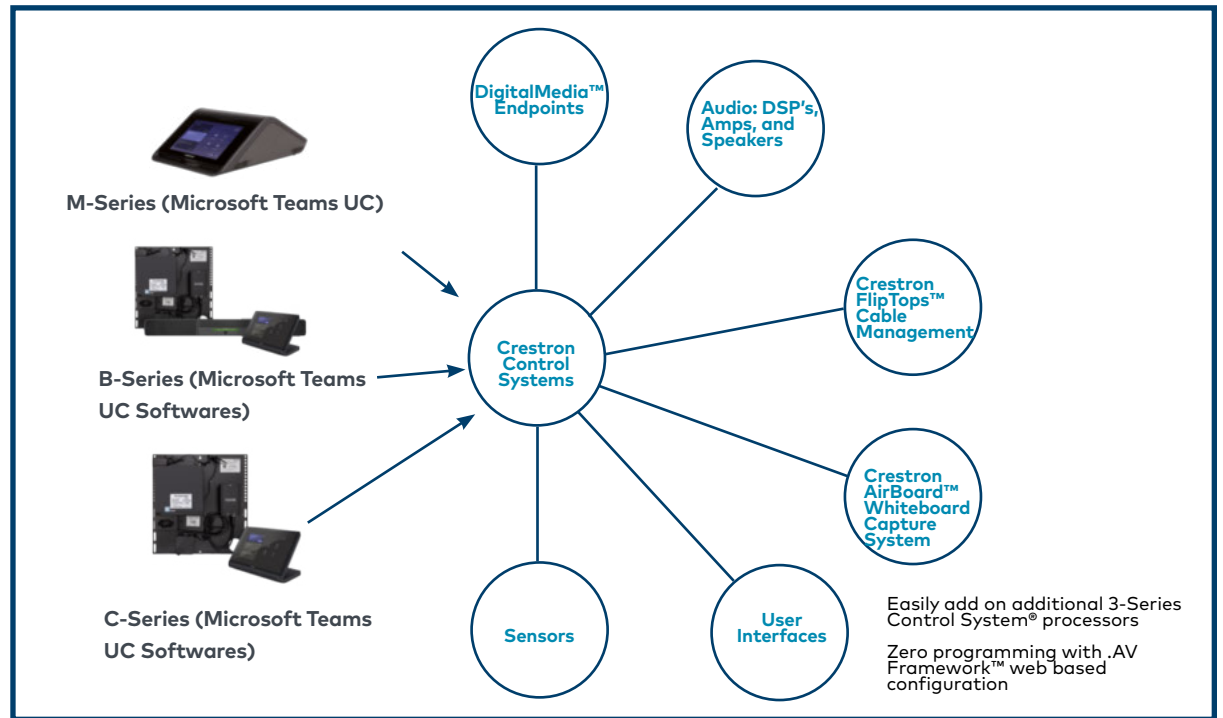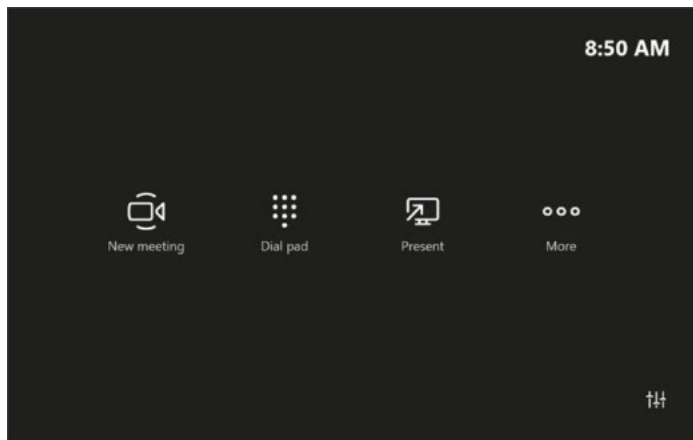
For Facilities

- Only LAN connectivity and power needed

- Easily move the unit into any space UC is needed

  › Lobbies and common areas, hallways, cafeterias

  › Keeps Flex R-Series mobile and easy to access

- Easy to repurpose any room into a safe, UC meeting room/ classroom

Bonus: Crestron Flex Exclusive

Certain Crestron Flex UC models include native/built in capability to expand the UC experience that no other competitor offers, such as room control integration (AV, environmental control etc.) with no custom programming or API needed, **all from the same UI!** Crestron is the only manufacturer to offer this natively all on a single platform!

"Flex Button"

Control the room with components such as lights, shades and HVAC right from the UI. Simply click on the icon in the bottom right of the UI.

M-Series (Microsoft Teams UC)

B-Series (Microsoft Teams UC Softwares)

C-Series (Microsoft Teams UC Softwares)

Easily add on additional 3-Series Control System® processors

Zero programming with .AV Framework™ web based configuration

With Crestron Flex you can build a flexible and complete enterprise ecosystem with these exclusive native Crestron integrated expansion capabilities. Only Crestron can offer this level of flexible, scalable enterprise technology management!

1. Unlimited native room control integration (AV, lighting, shades and HVAC) and customization without programming or API development
2. 3-Yr. Warranty *(with option for 5yr. with Crestron Flex Care)
3. Room booking panels and availability signs with native and direct open platform scheduling
4. Occupancy detection and people counting
5. Deploy, manage and monitor all rooms and devices via Crestron XiO Cloud™ service in Azure® IoT Hub
6. Zero touch provisioning and monitoring via direct 100% cloud management platform with no additional hardware, software or infrastructure required
7. Enterprise grade security monitored and maintained on a per device basis

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