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

The Crestron Flex Tabletop UC Video Conference System for Microsoft Teams Rooms (UC-MX150-T) delivers a powerful, professional solution for knowledge workers who want the Microsoft Teams software experience in small to midsize meeting and conference rooms.

The UC-MX150-T allows the installer to select a direct connection method for simplified installation and configuration or a network connection for Crestron XiO Cloud™ management of system components.

Conference room visitors can connect their laptop computer to the Crestron Flex system to use their own UC conference platform (BYOD). The system automatically switches to the connected laptop's UC platform and returns to the native Microsoft Teams environment when disconnected.

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

Minimum Requirements

- A video display, connected to the UC-ENGINE. The system supports a second display if desired.
- A Microsoft Teams or Skype® for Business software account
- An environment running Microsoft Exchange Server® software (2013 SP1 or later for on-premises installation or Microsoft 365™ software for Cloud) for scheduling and/or Skype for Business 2015 (on-premises installation or Microsoft 365 software for Cloud)

Optional Accessories

- CCS-UCA-SMK Swivel Mount Kit
- CCS-UCA-MIC KIT Microphone Pods

In the Box

UC Engine Bracket Assembly

1	UC-BRKT-150-ASSY (6511041)
1	PW-2412WU, Power Pack (2045870)
1	Power cord
	Mounting Hardware

Crestron Mercury® X Tabletop Conference System

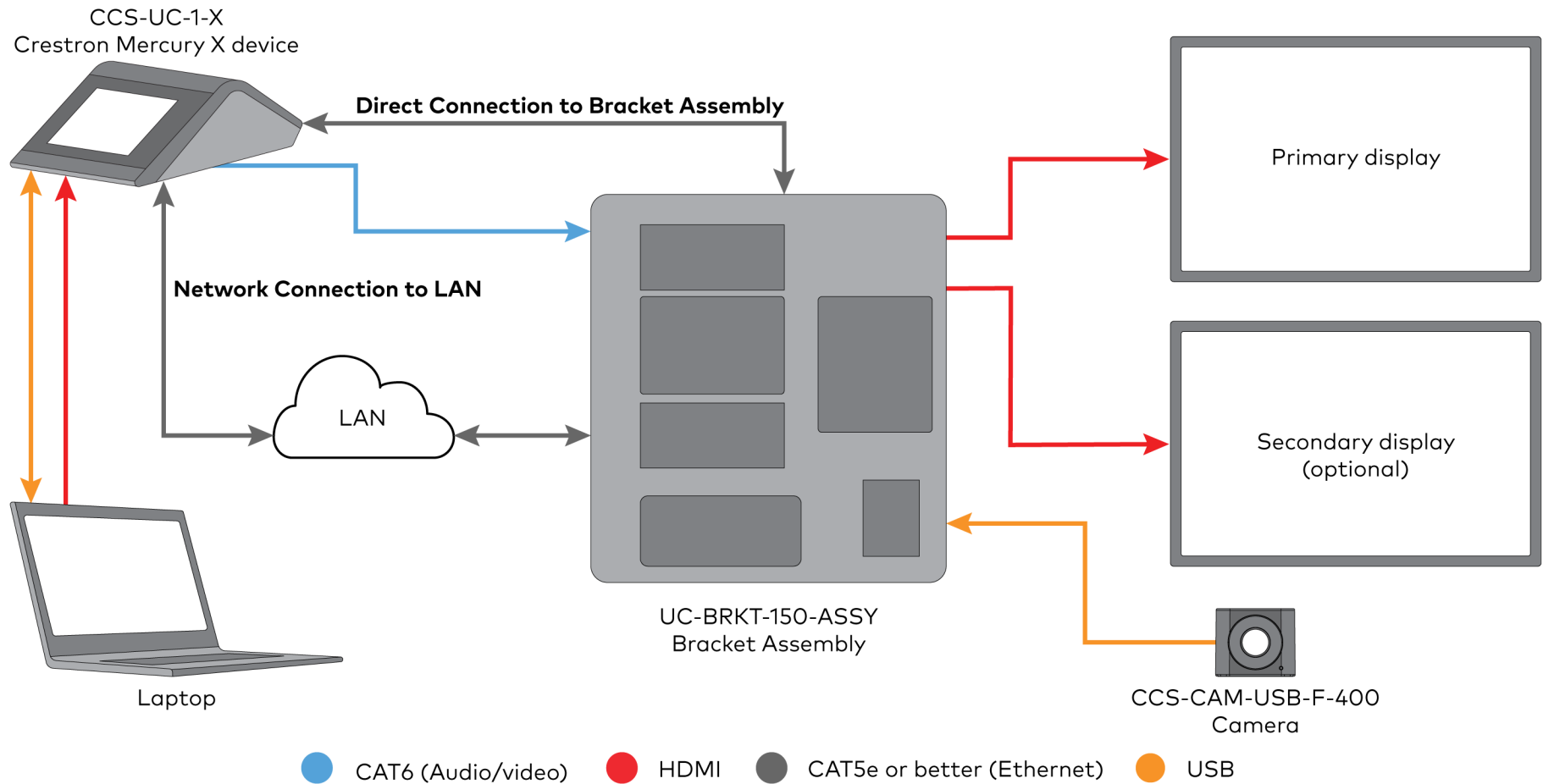|	
1	CCS-UC-1-X (6510610)
1	PW-2420RU, Power Supply (2045873) with cord (2042043)
1	Cable, CAT5e, RJ-45 Male - RJ-45 Male, 12 ft (3.6 m) (2033988)
	Cable Management Hardware

Accessories

1	CCS-CAM-USB-F-400, Huddly IQ™ Collaboration Camera (6510482)
1	CBL-CAT5E-7, CAT5e cable, RJ-45-to-RJ-45, Black, 7 ft (2.1 m) (6509924)
2	CBL-HD-THIN-HS-6, Thin HDMI® cable, 6 ft (1.8 m) (6510946)
1	CBL-USB-A-BMICRO-6, USB 2.0 A - Micro-B, 6 ft (1.8 m) (6510947)
1	CBL-USBC-HD-9, USB 3.0 to HDMI Converter cable, 9 ft (2.7 m) (6510718)
1	DM-CBL-ULTRA-PC-20, DigitalMedia™ Ultra Patch cable (CAT6), 20 ft (6.1 m) (6507640)
1	UC-CAM-WMK, Wall Mount Kit for Crestron Cameras (6510998)

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Overview

The following diagram illustrates standard system connections. In addition, two different connection methods for the CCS-UC-1-X (Crestron Mercury X device) are available — direct or network connection. Both the direct connection and network connection methods are shown below to help determine the appropriate method for your solution. See pages 4 and 5 for more information. The room display(s) and laptop are not included with this conference system.

CCS-UC-1-X
Crestron Mercury X device

Direct Connection to Bracket Assembly

Network Connection to LAN

LAN

Laptop

UC-BRKT-150-ASSY
Bracket Assembly

Primary display

Secondary display
(optional)

CCS-CAM-USB-F-400
Camera

● CAT6 (Audio/video)   ● HDMI   ● CAT5e or better (Ethernet)   ● USB

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Connect

1. Remove the connector covers prior to making UC-ENGINE connections on the bracket assembly.

Connector cover

UC-ENGINE

Connector cover
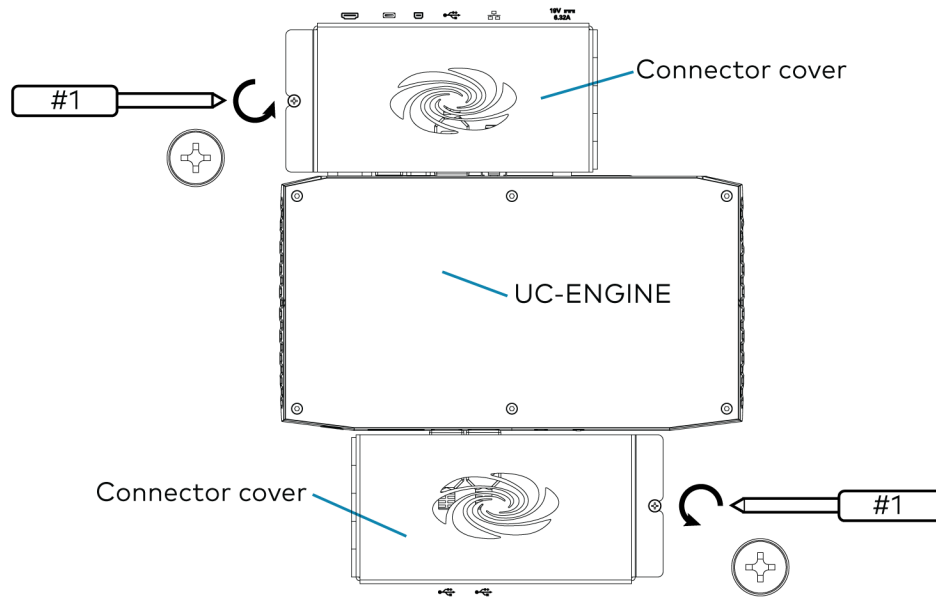
2. Make connections to the Crestron Mercury X device and components on the bracket assembly as shown in the following illustrations.

    The Crestron Mercury X device can communicate with the UC-ENGINE over a direct connection or a network connection.

    - Choose a direct connection to the UC-ENGINE for simple installation and setup.

    - Choose a network connection if the Crestron Mercury X device is to be managed by the Crestron XiO Cloud service.
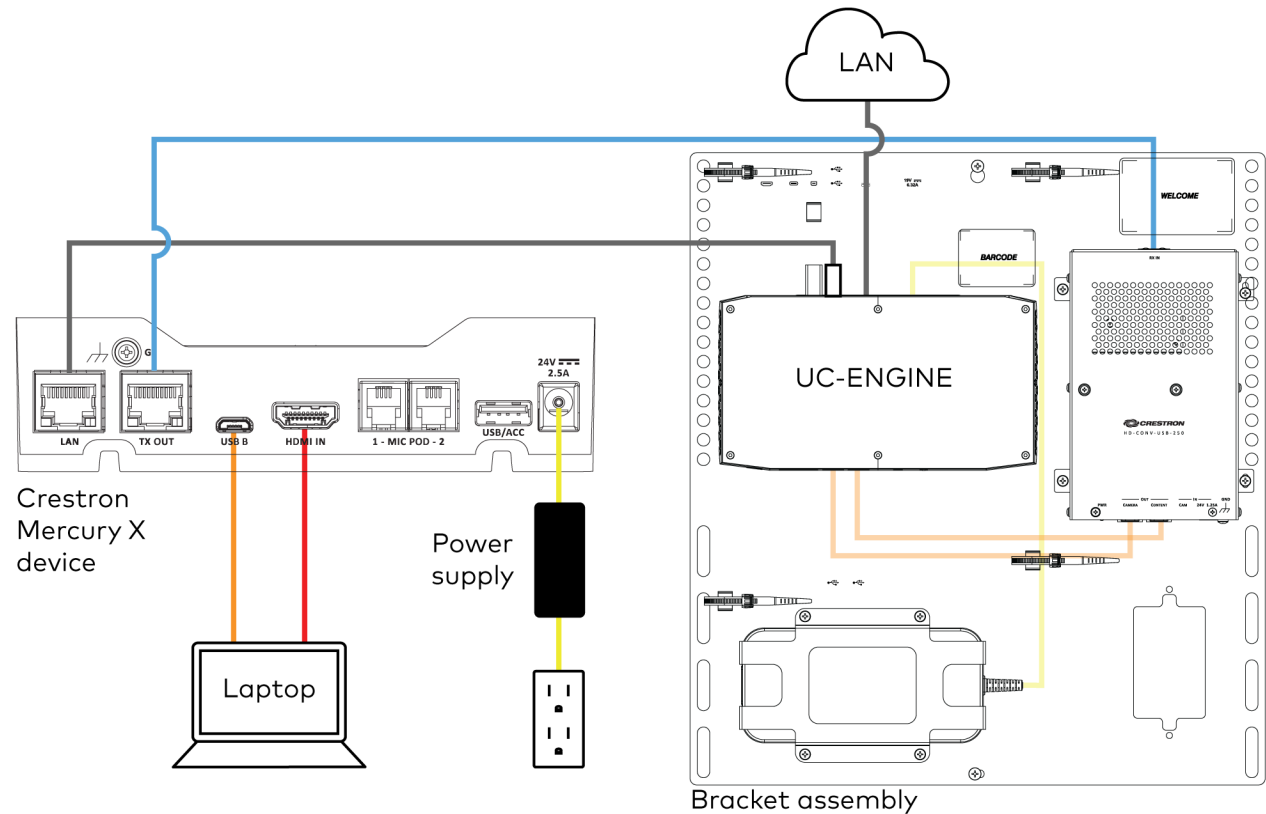
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Direct Connection

For simplified installation and configuration, use a direct Ethernet connection between the LAN port on the Crestron Mercury X device and the USB-to-RJ-45 Ethernet Adapter on the top of the UC-ENGINE.

NOTE: If the Crestron Mercury X device is to be managed by the Crestron XiO Cloud service, a network connection must be used as shown on the following page.

● **HDMI**
6 ft CBL-HD-THIN-HS-6 cable

● **Power**
Power supply PW-2420RU
Power cord (supplied with power supply)

● **USB**
Audio (in BYOD mode)
6 ft CBL-USB-A-BMICRO-6 cable

● **CAT5e or better**
Ethernet
7 ft CBL-CAT5E-7 cable
12 ft CAT5e cable
(supplied with Crestron Mercury X device)

● **CAT6**
Audio/video
20 ft DM-CBL-ULTRA-PC-20 cable

Crestron Mercury X device

Laptop

Power supply

UC-ENGINE

Bracket assembly

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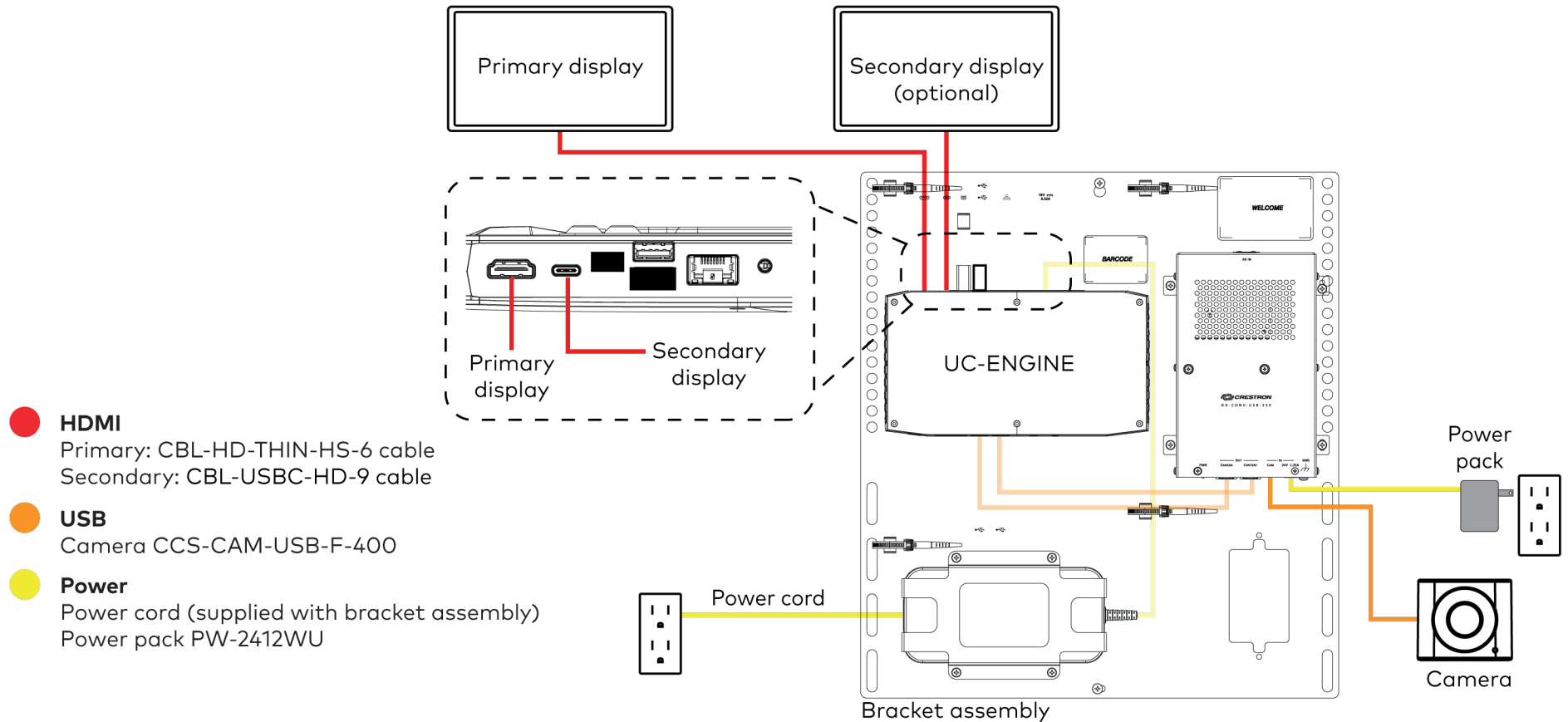
Network Connection

Use the network connection for full network control of the Crestron Mercury X device with the Crestron XiO Cloud™ service. The LAN port on the Crestron Mercury X device connects to the UC-ENGINE over the VLAN.

● **HDMI**
6 ft CBL-HD-THIN-HS-6 cable

● **Power**
Power supply PW-2420RU
Power cord (supplied with power supply)

● **USB**
Audio (in BYOD mode)
6 ft CBL-USB-A-BMICRO-6 cable

● **CAT5e or better**
Ethernet
7 ft CBL-CAT5E-7 cable
12 ft CAT5e cable
(supplied with Crestron Mercury X device)

● **CAT6**
Audio/video
20 ft DM-CBL-ULTRA-PC-20 cable

Crestron Mercury X device

Laptop

Power supply
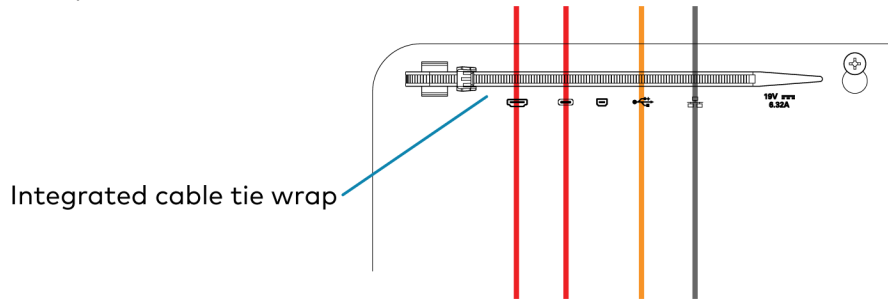
UC-ENGINE
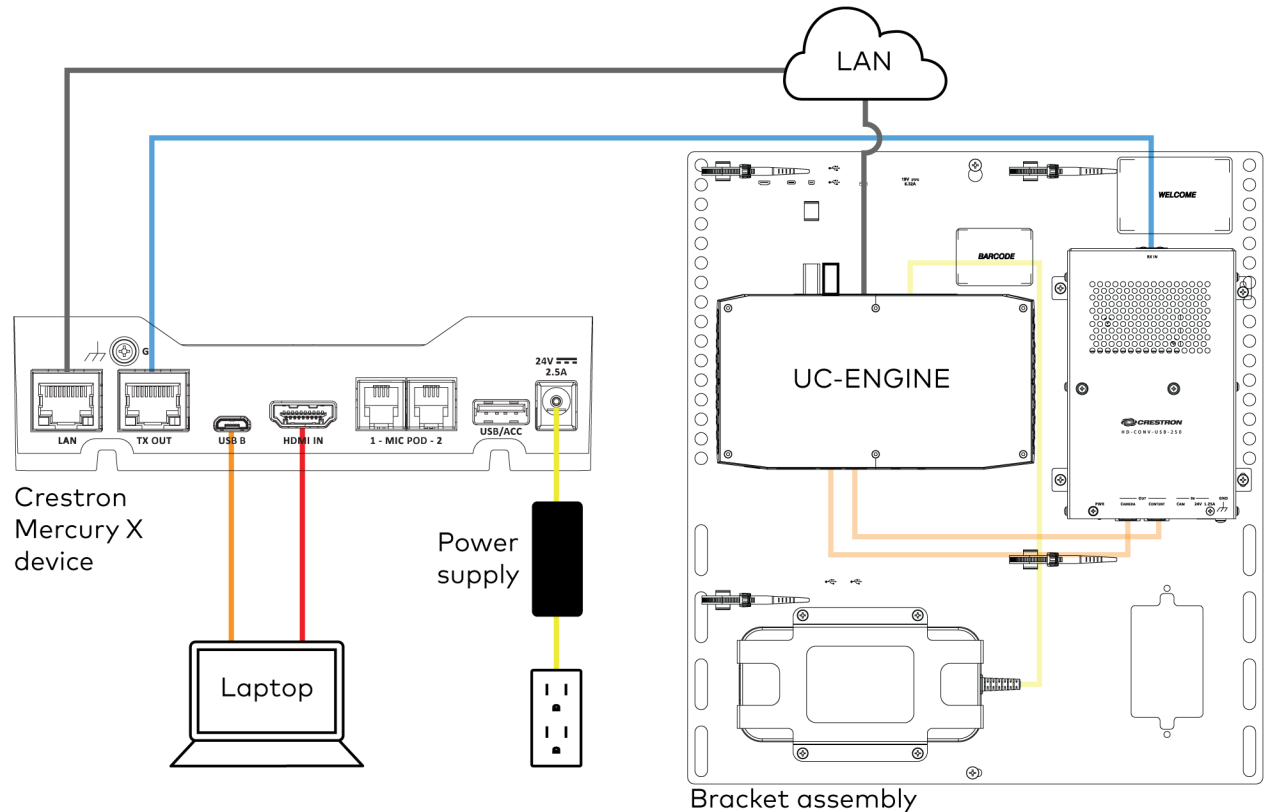
Bracket assembly

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3. Connect the display devices and camera to components on the bracket assembly as shown below.

● **HDMI**
Primary: CBL-HD-THIN-HS-6 cable
Secondary: CBL-USBC-HD-9 cable

● **USB**
Camera CCS-CAM-USB-F-400

● **Power**
Power cord (supplied with bracket assembly)
Power pack PW-2412WU

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4. Bundle the cables with the integrated cable tie wraps. The cable tie wraps are reusable.

Integrated cable tie wrap

Complete the Installation

After completing UC-ENGINE connections, secure the connector covers using a #1 Phillips head screwdriver to replace the screws.

NOTE: For additional security, replace the screws with the spanner screws included with the bracket assembly. A 1/4 in. bit is also supplied with the bracket assembly to install the spanner screws.

or

Connector cover
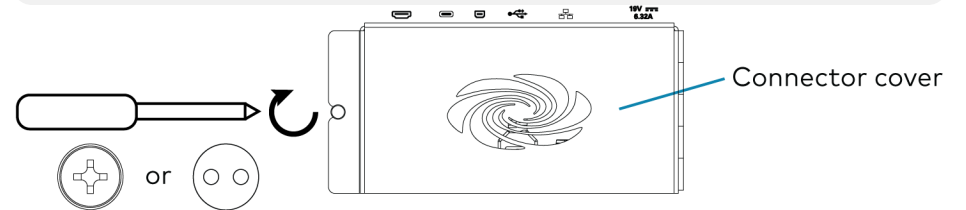
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⚙ Configure

Apply Power

Press the power button on the bottom of the UC-ENGINE and apply power to all of the other devices in the system.

Configure the Crestron Mercury X Device

1. Tap **Teams Video** and then tap **OK**. The device will reboot.

   NOTE: If the Crestron Mercury X device is directly connected to the UC-ENGINE, skip to "Configure the System." Otherwise, continue below.

2. On a computer, open a web browser to the IP address displayed on the Crestron Mercury X device to configure the device to operate in Teams Video mode.

   NOTES:
   - The Crestron Mercury X device and computer must be on the same network switch and VLAN.
   - A login with administrative rights for the Crestron Mercury X device is required.

3. Log in to the Crestron Mercury X device and navigate to **DEVICE** > **Applications**.

4. Enter the following information in the appropriate fields:
   - **Teams Video PC Address**: Enter the IP address or hostname of the UC-ENGINE.

     NOTE: The hostname is printed on a label affixed to the UC-ENGINE (mounted on the bracket assembly).

   - **Teams Video PC Port**: By default, port number 49500 is used. If a different port number has been configured on the UC-ENGINE, enter that port number instead.
   - **Teams Video Username**: Enter the login username for the UC-ENGINE. (The default username is "admin".)
   - **Teams Video Password**: Enter the login password for the UC-ENGINE. (The default password is "sfb".)

5. Click **Save Changes**.

For more information, refer to the CCS-UC-1 Product Manual (Doc. 7844).

Configure the System

Use the Crestron Mercury X device and your Microsoft Teams or Skype account credentials to configure the UC-ENGINE. Refer to the Crestron Flex UC Video Conference Systems Supplemental Guide (Doc. 8360).

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

Visit the Product Page

Scan the QR code to visit the product page.

UC-MX150-T

www.crestron.com/model/6511071

Additional Information

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

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HDMI

Doc ID 8631A

05/20/20