UC-C160-Z

Crestron Flex UC Video Conference System Integrator Kit for Zoom Rooms™ Software

- *Front-of-room conferencing integration solution for Zoom Rooms™ software*
- *Present, call, conference, and collaborate in any room using your choice of AV equipment*
- *Network management and provisioning and system alerts 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*
- *Includes 10.1 in. (257 mm) tabletop color touch screen with onscreen calendaring and meeting management and optional control of room lighting, shades, thermostats, and other equipment*
- *Kit contains the 10.1 in. (257 mm) tabletop color touch screen, UC Engine assembly and 1-year Crestron XiO Cloud Premium subscription.*

The Crestron Flex UC-C160-Z system provides a customizable video conference room solution for use with the Zoom Rooms intelligent communications platform. It supports single or dual video displays, and features the UC Engine Assembly with UC-ENGINE-Z and 10.1 in. touch screen. The UC-C160-Z enables integration with your choice of displays, cameras, speakers, microphones, mixers, switchers, and audio conferencing interface (or speakerphone).

Native Zoom Rooms™ Software Experience

The UC-C160-Z system features Zoom Rooms conferencing software that enables audio and video connectivity for easy collaboration and content sharing.

Custom Room Integration

The UC-C160-Z system provides the essential components needed to design a fully custom video conferencing space using your choice of display devices, cameras, speakers, microphones, and other AV equipment. Any Zoom Rooms software compliant USB camera and USB audio conferencing interface (or speakerphone) may be used. A non-USB camera or camera switcher may also be integrated by adding a video converter, model HD-CONV-USB-100 (sold separately). The UC-C160-Z system allows rooms of any size and scale to be designed using Crestron Avia™ digital signal processors and amplifiers, Saros® or Vector™ speakers, and other equipment.

10.1 in. Touch Screen

The Crestron TSW-1060 series touch screen makes an elegant statement on any tabletop. PoE (Power over Ethernet) connectivity and a range of mounting options make installation simple for both new and retrofit applications.

The included TSW-1060-TTK provides a convenient tabletop enclosure for a TSW-1060 Touch Screen. The touch screen is angled when installed in the enclosure. The complete assembly may be placed on any flat, level surface. Wiring may be passed out the rear of the enclosure through a grommet and strain relief, or routed through the bottom for a very clean, cordless appearance. The touch screen also offers optional control of room lighting, shades, thermostats, and other equipment.[1]

For more information, refer to the TSW-1060-B-S and TSW-1060-TTK-B-S product pages.

UC Engine Assembly

All the capabilities of a complete Zoom Rooms video conferencing and content sharing solution are empowered by the UC Engine. For ultimate performance, Crestron employs a powerful Intel® NUC Mini PC running Zoom Rooms software. The UC Engine Assembly (UC-BRKT-100-Z-ASSY) streamlines the installation of a Crestron UC system by assembling the UC-ENGINE-Z, HD-CONV-USB-200, and UC-CONN-HD together on one convenient and ready-to-mount bracket.

The complete assembly can be mounted on the 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 assembly bracket includes mounting holes on its left and right side edges, spaced at 100, 200, and 300 mm (3.94, 7.87, and 11.81 in.) 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-100-Z-ASSY product page.

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Network Management and Security

Crestron Flex is an enterprise grade solution, engineered to integrate seamlessly into any Zoom Rooms 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® Update. Crestron Fusion® 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-C160-Z 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.[2] 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-C160-Z system, the Crestron XiO Cloud service allows for network management and provisioning and system alerts. System updates are controlled by Windows Update. For more information, visit www.crestron.com/xiocloud.

Specifications

Included Components

TSW-1060-B-S	10.1 in. touch screen, black
TSW-1060-TTK-B-S	Tabletop kit for touch screen, black
UC-BRKT-100-Z-ASSY	UC Engine Assembly, comprised of: UC-ENGINE-Z: UC Engine for Zoom Rooms video; HD-CONV-USB-200: HDMI to USB 3.0 converter for content ingest; UC-CONN-HD: EDID emulator for UC Engine display output; CBL-MDP-HD-0.5: Mini DisplayPort™ to HDMI converter; Mounting Bracket
CBL-CAT5E-7	(2) Ethernet LAN cables for UC Engine, RJ45-to-RJ45, black, 7 ft (2.1 m)
PWE-4803RU	PoE injector for touch screen
CBL-USBC-HD-9	USB-C® to HDMI converter cable, USB Type-C male to HDMI Type A male, 9 ft (2.7 m)
CBL-HD-20	HDMI cable for content source, Type A male-to-male, 20 ft (6.1 m)
CBL-HD-THIN-HS-6	Thin HDMI cable for connecting display device, Type A male-to-male, 6 ft (1.8 m)
DM-CBL-ULTRA-PC-20	Ethernet LAN cable for touch screen, CAT6a, RJ45-to-RJ45, blue, 50 ft (15 m)

Tabletop Touch Screen

Touch Screen	10.1 in. (257 mm) diagonal capacitive multi-touch TFT active matrix color LCD, 1280 x 800 pixels, displays Zoom Rooms UI plus optional Crestron Smart Graphics® room control UI[1]
Ethernet	10/100 Mbps; enterprise grade security and management including IEEE 802.1X, Active Directory® authentication, SSL, TLS, SSH, SFTP (SSH File Transfer Protocol), digest access authentication, password login, HTTPS secure provisioning, Crestron XiO Cloud client, IEEE 802.3at compliant
Power over Ethernet	EEE 802.3at compliant PoE or PoE+ PD (Powered Device); - Requests 15 W from an 802.3at Type 2 PSE with LLDP advanced

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power management;
- Requests 30 W (PoE+ Class 4) from an 802.3at Type 2 PSE without LLDP;
- Requests 15.4 W (PoE Class 0) from an 802.3af (or 802.3at Type 1) PSE

PoE Injector — A PoE injector is included to power the touch screen if network PoE is not available

Construction — Plastic tabletop housing, smooth black finish, edge-to-edge glass with black surround

Dimensions — Height: 5.42 in. (138 mm)
Width: 10.23 in. (260 mm)
Depth: 5.69 in. (145 mm)

Weight — 41.2 oz (1166 g)

Refer to the TSW-1060-B-S, TSW-1060-TTK-B-S, and PWE-4803RU specifications for additional information.

UC Engine Assembly

Mini PC — Intel NUC Kit NUC6i7KYK

Processor — 6th generation Intel Core® i7-6770HQ processor with Intel Iris® Pro Graphics 580, 8 GB RAM, 256 GB SSD, Intel I219-LM 10/100/1000 Mbps Ethernet, Windows® 10 IOT Edition OS

UC Client — Zoom Rooms Software

Management Client — Crestron XiO Cloud Service

USB — USB 3.0

Content Ingest — HDMI input via HDMI to USB 3.0 converter (model HD-CONV-USB-200, included)

Display Output — Single or dual display support, native Mini DisplayPort™ (primary) and USB Type-C® (secondary) outputs, HDMI outputs enabled via converter cables (included)

Camera Input Resolution — HD 1080p @ 30 fps

Content Input Resolution — HD 1080p @ 60 fps

Display Output Resolution — HD 1080p @ 60 fps

Power — 19 VDC via external 100-240 VAC, 50/60 Hz adapter (included)

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 Crestron 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: 16.00 in. (407 mm)
Width: 14.00 in. (356 mm)
Depth: 1.62 in. (41 mm)

Refer to the UC-ENGINE-Z, HD-CONV-USB-200, and UC-BRKT-100-Z-ASSY spec sheets for additional specifications and compliances.

Model
UC-C160-Z

Available Accessories

TSW-1060 Series
10.1 in. Touch Screen

UC-SB1
UC Video Conference Smart Soundbar

UC-SB1-CAM
UC Video Conference Smart Soundbar & Camera

TSW-560/760/1060-SMK
Swivel Mount Kit for TSW-x60-TTK Series

CEN-SWPOE-16
16-Port Managed PoE Switch

DSP-1282
Crestron Avia™ 12x8 Digital Signal Processor w/USB Audio, AEC, & Audio Conferencing Interface

DSP-1283
Crestron Avia 12x8 Digital Signal Processor w/Dante® audio networking, USB Audio, AEC, & Audio Conferencing Interface

MMX-6-USB
6-Channel USB Microphone Mixer

SAROS SB-200-P
Saros® Sound Bar 200, Powered

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. 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.

2. Complimentary Crestron XiO Cloud subscriptions are subject to the terms of the Crestron Cloudware License Agreement at https://www.crestron.com/cloudwarelicensepdf, as well as additional terms of the Crestron Cloudware License Agreement Addendum at https://www.crestron.com/ cloudwarelicenseaddendumpdf, which control in any conflict with the Agreement. Complimentary subscriptions may be applied to new accounts only. New UC-C160-Z systems may be added to existing Crestron XiO Cloud subscription accounts at a discounted rate. An additional purchase toward the existing subscription account term may be required. For more information, please contact license@crestron.com.

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.

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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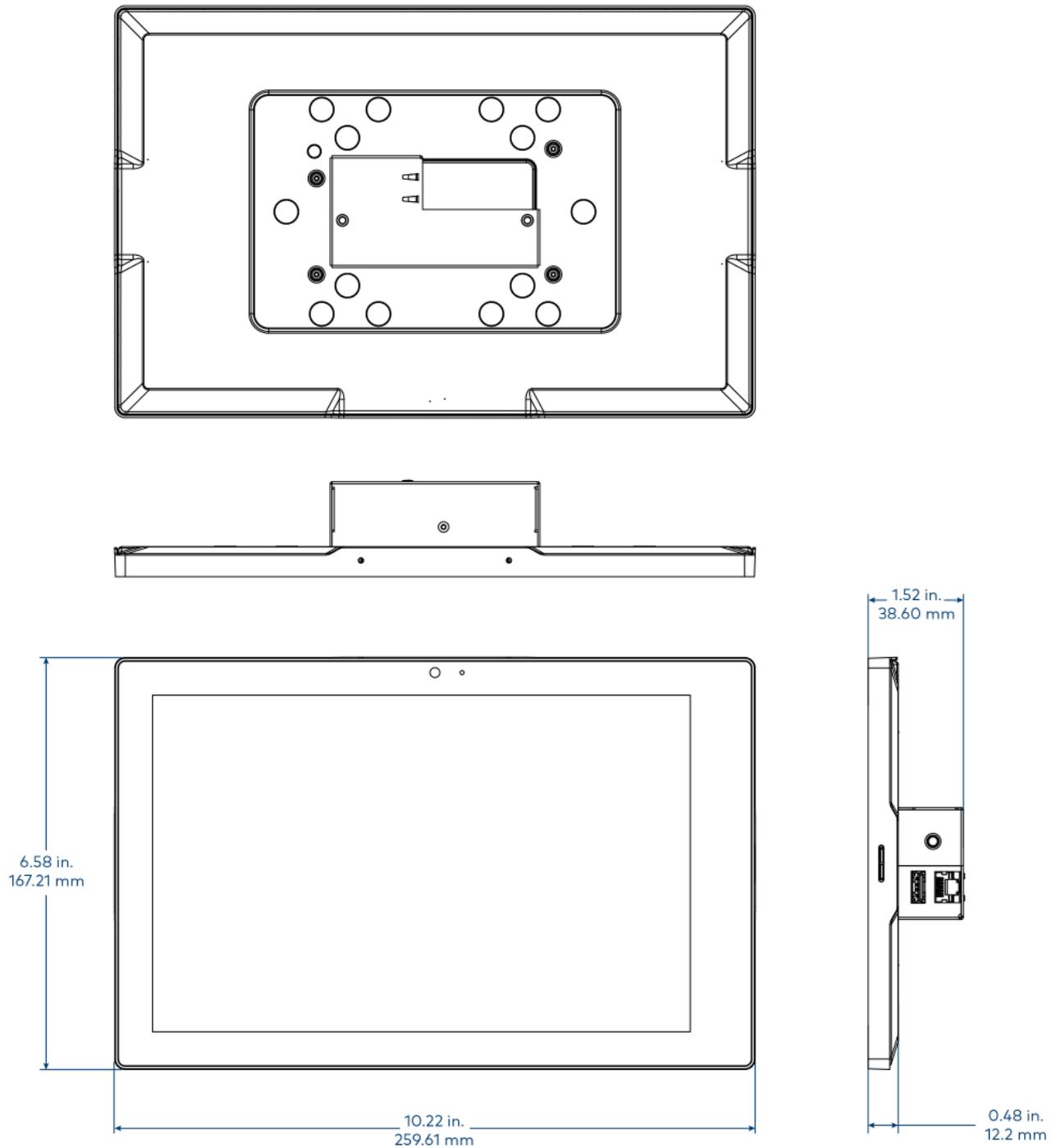
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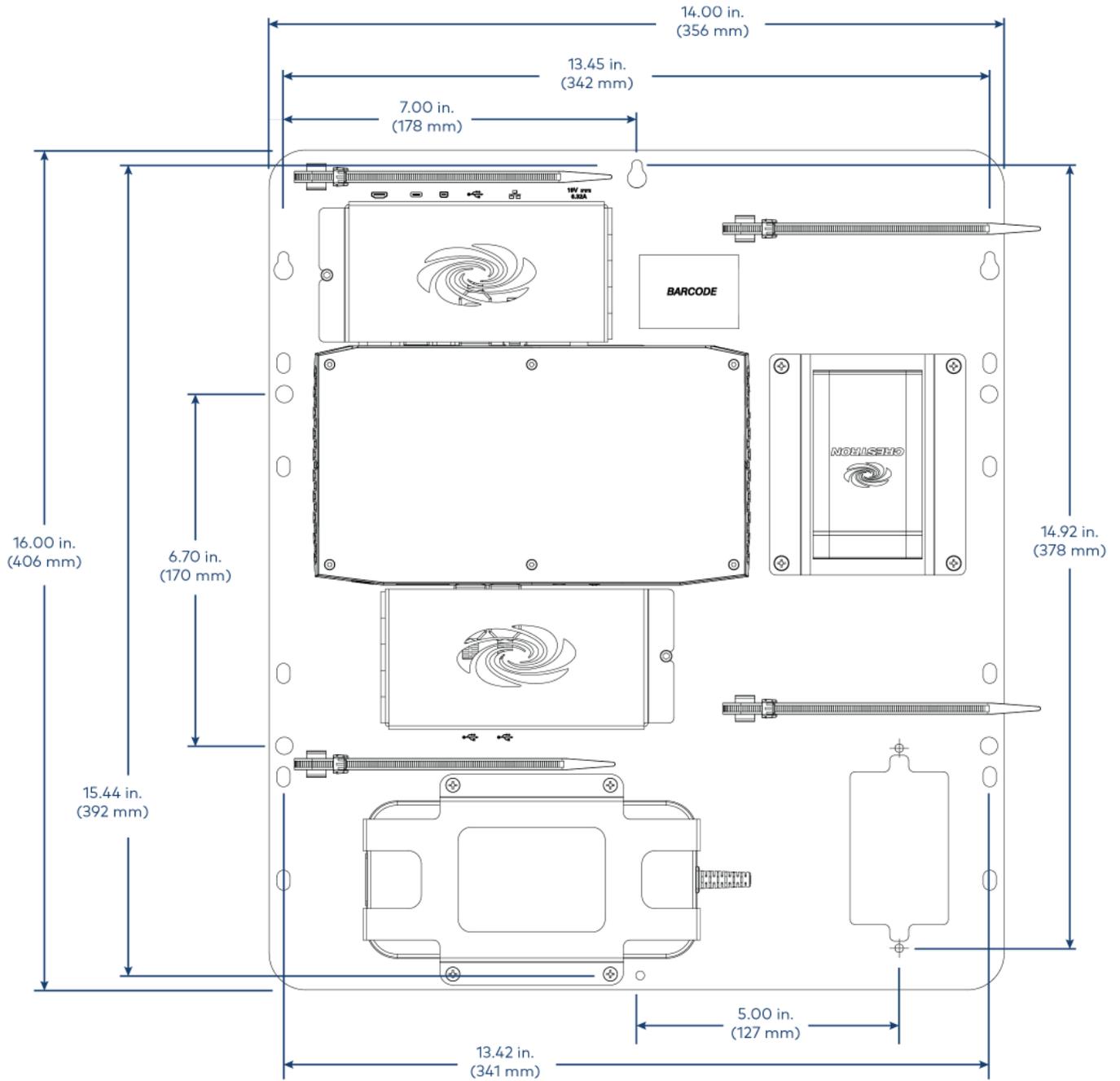
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Rev 02/20/20

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1.52 in.
38.60 mm

6.58 in.
167.21 mm

10.22 in.
259.61 mm

0.48 in.
12.2 mm

TSW-1060-B-S

UC-BRKT-100-Z-ASSY