

Crestron Flex Wall Mount UC Video Conference System for Microsoft Teams™ Rooms



- *Front-of-room video conferencing solution for Microsoft Teams™ — just add display and mount*
- *Present, call, conference, and collaborate — all through a single smart sound bar and 10.1 in. tabletop touch screen*
- *Native Microsoft Teams touch screen UX — provides a consistent user experience with simple operation and one-touch meeting joins*
- *Easy to specify and install — no custom design, programming, or software installation required*
- *Easy to provision and manage through Crestron® XiO Cloud™*
- *Microsoft® Exchange and Office 365® integration with native Microsoft Teams or Skype® for Business account support*
- *Connects and communicates securely over any enterprise or SMB network*
- *Supports single display configuration*
- *HDMI® input for laptop and other AV content sources*
- *10.1 in. (257 mm) tabletop color touch screen*
- *Support for a second touch screen (sold separately)*
- *Onscreen calendaring and meeting management*
- *Optional control of room lighting, shades, thermostats, and other equipment¹*
- *IoT cloud based provisioning and management*
- *Enterprise-grade security*
- *Optional 330° touch screen swivel mount available*
- *Complete kit contains the Crestron smart sound bar and camera, touch screen, UC Engine assembly, cables, power supplies, and 1-year XiO Cloud Premium²*

The Crestron UC-B140-T provides a video conference room solution for use with the Microsoft Teams and Skype for Business intelligent communications platforms. It features the UC Video Conference Smart Soundbar & Camera (UC-SB1), UC Engine Assembly with UC-ENGINE-SD, HD-CONV-USB-200, and UC-CONN-HD (UC-BRKT-100-SD-ASSY), and 10.1 in. Touch Screen (TSW-1060).

The smart soundbar, touch screen, and camera solution facilitates effortless conferencing. Mounted on the wall or placed on a credenza beneath the main room display, the smart soundbar looks great and sounds even better in a small to medium-sized meeting space. A perfect view of the room is achieved through the built-in, high-end conferencing camera featuring HD 1080p video resolution, ultra-wide 150° diagonal field of view, and Genius Framing digital autozoom.

Crestron Smart Soundbar & Camera

An all-in-one front-of-room device, the UC-SB1-CAM eliminates the need to install additional cameras, microphones or speakers. High-powered stereo speakers, adaptive beamforming microphone, and advanced digital signal processing deliver exceptional full-duplex speakerphone performance with highly intelligible, echo-free voice clarity. Its all-in-one wall-mountable design reduces clutter on the conference table, and even accommodates rooms with no table at all. Additional audio connectivity is provided through unbalanced stereo analog input and output jacks on the rear panel. The input accommodates any line-level audio source with no signal processing. An output is provided to feed an assistive listening system, and carries the same audio signal as the soundbar speakers.

The smart soundbar features an alluring multicolor LED status bar, which displays the volume setting and changes color to indicate operation and mute status. The computer detects the soundbar connection automatically, and in turn, the soundbar responds when an online meeting is started, speaker volume is adjusted, or the speaker or mic is muted.

The integrated Huddly IQ™ camera 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 an immersive, crystal clear video image free from light or noise artifacts or optical aberrations. Genius Framing digital autozoom intelligently detects the people in the room and frames them perfectly for an optimal view. With Genius Framing, there's no need to control the camera manually or rely on stored presets. When conferencing, the camera image adjusts automatically to frame everyone in the shot.

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Installation is a breeze using the integral hinged mounting bracket, which attaches easily to a wall and allows the soundbar to be tipped forward for full access to the rear panel connections. The bracket allows for attachment to any wall surface using two screws.

UC Engine Assembly

The UC Engine Assembly (UC-BRKT-100-SD-ASSY) streamlines the installation of a Crestron UC system by assembling the UC-ENGINE-SD, [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 vertically, to allow for attachment to either side of the display mounting plate on the rear of the display device.

Additional features are included to manage wiring and conceal connections for a clean, secure installation. A 1-gang sized cutout at the lower right-hand corner allows for mounting over a flush wall-mounted electrical box, which may be used for an AC outlet or a wall plate containing AV and data jacks.

10.1 in. Touch Screen

With its clean, contemporary design highlighted by edge-to-edge glass and stunning color graphics, 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. Voice commands and the screen's five soft-touch buttons make presenting content, scheduling meetings, and connecting with the rest of your team effortless.

Tabletop Kit for TSW-1060

The TSW-1060-TTK provides a stylish and 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.

Specifications

Included Components

Soundbar: UC-SB1-CAM

UC Engine Assembly: UC-BRKT-100-SD-ASSY

Touch Screen: TSW-1060-B-S

Tabletop Kit: TSW-1060-TTK-B-S

7 ft CAT5e Cable, RJ45-to-RJ45: (2) CBL-CAT5E-7

PoE Injector: PWE-4803RU

Smart Soundbar & Camera

Woofers: (2) 3 in. (76 mm) polypropylene cone w/rubber surround

Passive Radiators: (2) 3 x 4-3/8 in. (76 x 112 mm) polypropylene cone w/rubber surround

Tweeters: (2) 1 in. (25 mm) polyester dome

Amplifier Power: 20 W RMS per channel, stereo

Frequency Response: 80 Hz to 20 kHz (±3 dB)

Effective Output Level: 91 dB SPL @ 1 m, both channels driven at full power

Microphone: Linear quad-element far-field adaptive beamforming microphone array

Pickup Range: 23 ft (7 m) typical

Pickup Angle: ±90° horizontal

Frequency Response: 20 Hz to 8 kHz

DSP: Acoustic echo cancellation, dereverberation, automatic gain control, dynamic noise suppression, adaptive beamforming, speaker volume control, speaker EQ and limiting (fixed); full-duplex IEEE 1329 Type 1 compliant;

NOTE: DSP affects USB audio in/out only unless noted otherwise

USB Audio In/Out: USB 3.0, UAC 1.0 and HID, AEC-enabled USB speakerphone compliant with Microsoft Teams and Skype for Business specifications, 2-channel stereo far-end/content signal input, 2-channel mono microphone signal output; plug and play compatible with Crestron [UC-ENGINE](#), UC-ENGINE-SD

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Analog Input: 2-channel stereo, fixed level (bypasses DSP), for in-room amplification of an external audio source

Analog Input Sensitivity: 1 Vrms per channel for full rated output

Analog Output: 2-channel stereo, fixed level, feeds amplified audio content to an assistive listening system;

NOTE: Output level varies for USB input signal only according to the speaker volume control setting; analog input signal passes through without volume control or DSP

Camera Model: Huddly IQ (mounted internally)

Image Sensor: 12 Megapixel Sony® IMX477 Type 1/2.3 CMOS sensor

Lens: High precision, ultra wide angle, six element aspherical glass lens

Field of View: 150° diagonal, 120° horizontal, 90° vertical

Aperture: f/2.8

Processor: Intel® Movidius® Myriad® X VPU with Neural Compute Engine hardware accelerator

Pan/Tilt/Zoom: 3x lossless digital zoom, pan, and tilt

Autozoom: "Genius Framing" automatic lossless digital zoom intelligently frames people in the room

Dynamic Light Optimization: Auto-adjusts light levels and white balance

Noise Reduction: 3D noise reduction, bias compensating spatio-temporal filtering, wide area chroma filtering, flicker elimination

Scaling: Real-time scaling, dewarping, and perspective correction

USB Video Out: USB 3.0, UVC 1.1 and HID, conferencing camera compliant with Microsoft Teams and Skype for Business specifications;

Plug and play compatible with Crestron UC-ENGINE-SD, computer, or other USB Video Class host

Video Output Resolution: HD 1080p @ 30 fps

Color Space: YCbCr 4:2:0, YCbCr 4:2:2, MJPEG

Status Bar: (1) Multi-segment RGBY LED zero-center mutually-diverging linear bargraph;

Indicates the speaker volume, microphone mute, and speaker mute in red and green LEDs

Audio In: (1) 3.5 mm TRS mini-phone jack;
Unbalanced stereo line-level audio input;
Input Level: 1 Vrms maximum;
Input Impedance: 10k Ohms

Audio Out: (1) 3.5 mm TRS mini-phone jack;
Unbalanced stereo line-level audio output;
Output Level: 1 Vrms maximum;
Output Impedance: 100 Ohms

PC: (1) USB 3.0 Type-B connector, female;
USB 3.0 device port;
Connects to UC Engine;
6 ft (1.83 m) USB 3.0 Type B to Type A cable included

Camera: (1) USB 3.0 Type-A connector, female;
USB 3.0 host port;
Connects to the internal camera output via a pre-installed 6 in. (13 cm) USB Type-C™ to USB 3.0 Type A cable

100-240V~ 0.5A 50/60Hz: (1) IEC 60320 C14 main power inlet;
Mates with included removable power cord

Main Power: 500 mA maximum @ 100-240 VAC, 50/60 Hz

Power Consumption: 19.3 W

Temperature: 41° to 104° F (5° to 40° C)

Humidity: 10% to 90% RH (non-condensing)

Heat Dissipation: 75 BTU/hr

Enclosure: Lightly textured gunmetal black finish, plastic housing, perforated stainless steel grilles, die-cast aluminum rear cover, integral steel hinged mounting bracket

Mounting: Freestanding or surface wall mount at ear/face level (adhesive feet included, mounting bracket attached)

Height: 4.57 in. (117 mm), 4.64 in. (118 mm) with feet

Width: 43.60 in. (1108 mm)

Depth: 3.90 in. (100 mm)

Weight: Approximately 15 lb (6.8 kg)

Compliance: CE, IC, UL 62368-1, CSA C22.2 62368-1, EN 62368-1, IEC 62368-1, FCC Part 15 Class B, ICES-003 Issue 5 Class B, EN55022:2010 Class B, AS/NZS CISPR22:2010 Class B, AS/NZS CISPR 22:2010 Class B, EN55024:2010, EN61000-3-2:2014, EN61000-3-3:2013, RoHS compliant

Refer to the [UC-SB1-CAM](#) spec sheet for additional specifications and compliances.

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UC Engine Assembly

UC-ENGINE-SD: UC Engine for Microsoft Teams™ video

HD-CONV-USB-200: HDMI to USB 3.0 converter for content ingest

UC-CONN-HD: EDID Emulator

Composition: Metal mounting bracket, black; preassembled with components, cable management, and security covers attached

Wall Mounting: Surface wall mountable behind the display device using screws and anchors

Display Mounting: Attachable to the rear of the display device via two of the bolts that also attach the display to a VESA compliant display mount; 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 (VESA display mount not included)

Height: 16.00 in. (407 mm)

Width: 14.00 in. (356 mm)

Depth: 1.62 in. (41 mm)

Refer to the UC-BRKT-100-SD-ASSY spec sheet for additional specifications and compliances.

Touch Screen

Display Type: TFT active matrix color LCD

Size: 10.1 in. (257 mm) diagonal

Aspect Ratio: 16:10 WXGA

Resolution: 1280 x 800 pixels

Brightness: 400 nits (cd/m²)

Contrast: 950:1

Color Depth: 24 bit, 16.7M colors

Illumination: Edgelit LED with autobrightness control

Viewing Angle: ±80° horizontal, ±80° vertical

Touch Screen: Projected capacitive, 5-point multitouch capable

Hard Keys: (5) Projected capacitive push buttons, backlit with autobrightness control, per-button show/hide (backlight enable/disable), prelabeled with icons for "Power", "Home", "Lights", "Up", and "Down"

Reset: Miniature push button on rear panel for hardware reset

RAM: 2 GB DDR3L

Storage: Firmware/Application: 4 GB Class 10 microSD card; System: 4GB eMMC

Ethernet: 100 Mbps, autoswitching, autonegotiating, autodiscovery, full/half duplex, TCP/IP, UDP/IP, CIP, DHCP, SSL, TLS, SSH, SFTP (SSH File Transfer Protocol), IEEE 802.1X,

SNMP, IPv4 or IPv6, Active Directory authentication, HTTPS web browser setup, Crestron XiO Cloud client, IEEE 802.3at compliant

LAN PoE: (1) 8-pin RJ45 connector, female, with 2 LED indicators;
100Base-TX Ethernet port;
PoE+ PD port;
Green and yellow LEDs indicate Ethernet port status

USB: (1) USB Type A connector, female;
USB 2.0 host port;

PoE (Power over Ethernet): IEEE 802.3at Type 2 compliant PoE+ PD (Powered Device);
Normally requests 15 Watts from an 802.3at Type 2 PSE with LLDP advanced power management;

Temperature: 32 to 112 °F (0 to 45 °C)

Humidity: 10% to 90% RH (noncondensing)

Heat Dissipation: 44 BTU/hr

Housing: Plastic, smooth black finish, edge-to-edge glass with black surround

Height: 6.59 in. (168 mm)

Width: 10.23 in. (260 mm)

Depth: 1.52 in. (39 mm)

Weight: 23.9 oz (675 g)

Dimensions do not include tabletop kit

Compliance: UL® Standards Listed for US and Canada, IC, CE, FCC Part 15 Class B digital device

Refer to the TSW-1060-B-S spec sheet for additional specifications and compliances.

Tabletop Kit

Enclosure: Plastic, black;
38° fixed angle device opening;
freestanding

Height: 4.12 in. (105 mm), 5.45 in. (139 mm) with touch screen installed

Width: 7.86 in. (200 mm), 10.23 in. (260 mm) with touch screen installed

Depth: 5.15 in. (131 mm), 5.8 in. (148 mm) with touch screen installed

Weight: 17.3 oz (491 g), 41.2 oz (1166 g) with touch screen installed

Refer to the TSW-1060-TTK-B-S spec sheet for additional specifications and compliances.

Crestron Flex Wall Mount UC Video Conference System for Microsoft Teams™ Rooms

Models & Accessories

Available Models

UC-SB1-AV: Crestron Flex Wall Mount UC Video Conference System for Microsoft Teams™ Rooms

Available Accessories

TSW-560/760/1060-SMK: Swivel Mount Kit for TSW-560-TTK, TSW-760-TTK and TSW-1060-TTK

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 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-P110-T phones may be added to existing 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.

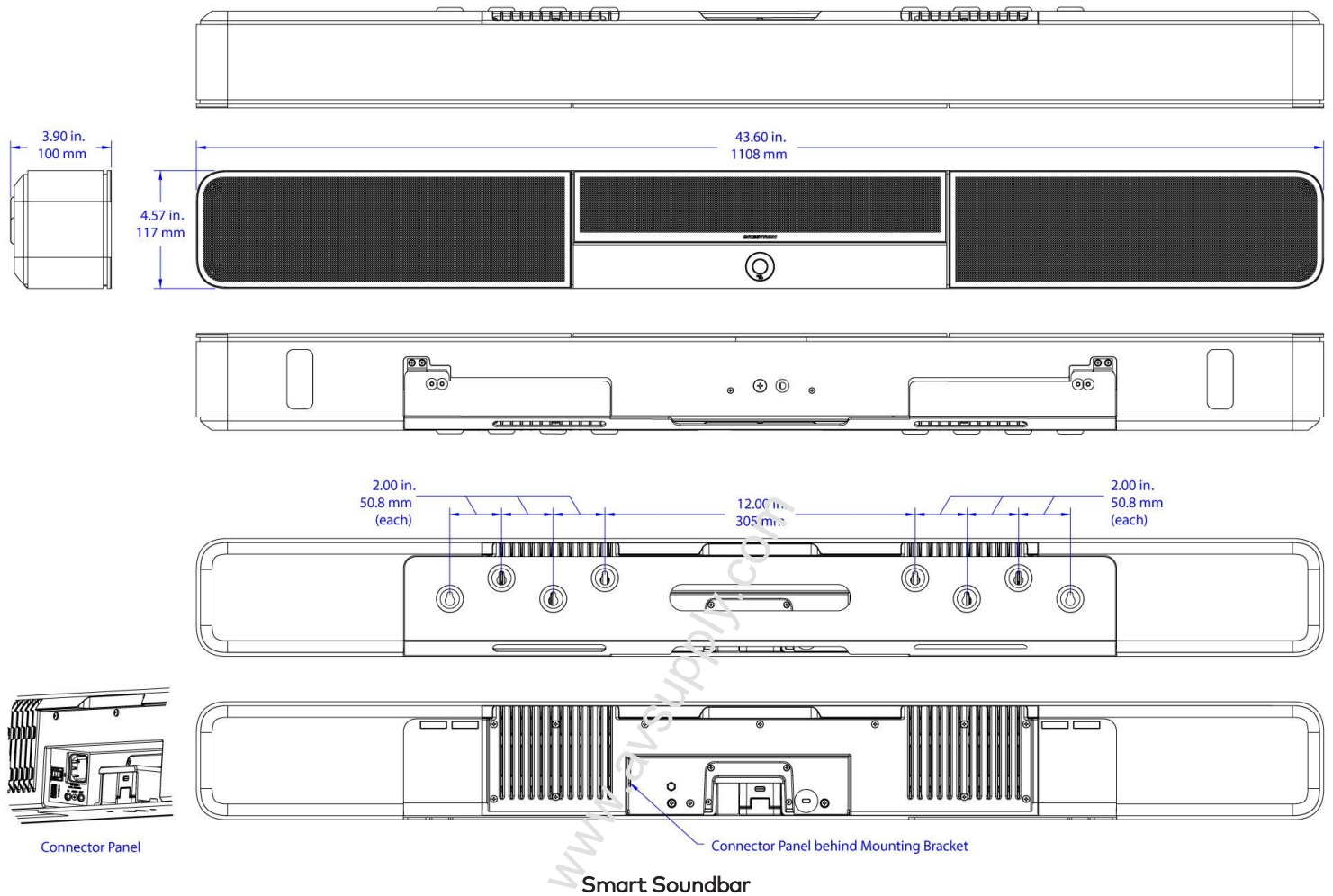
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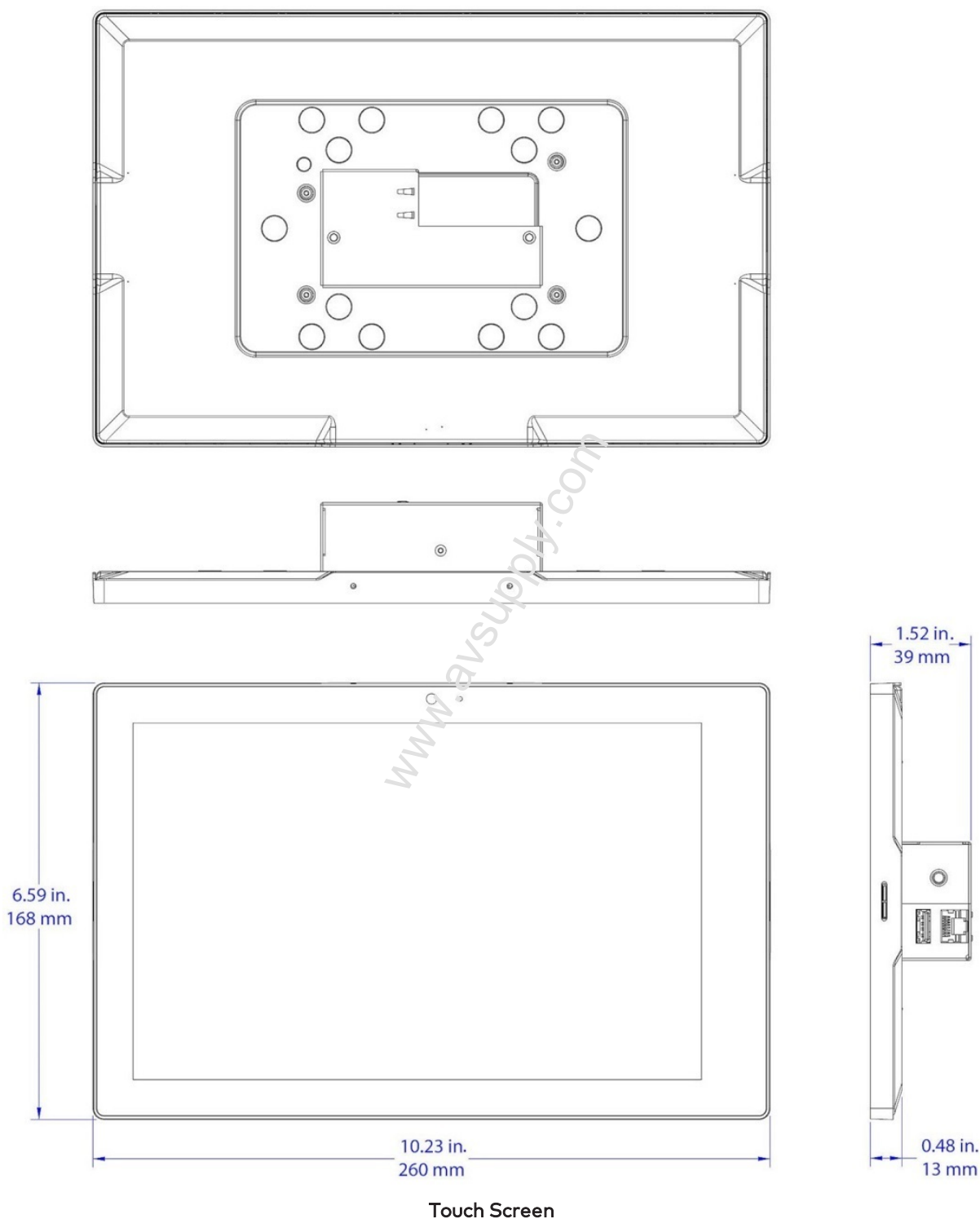
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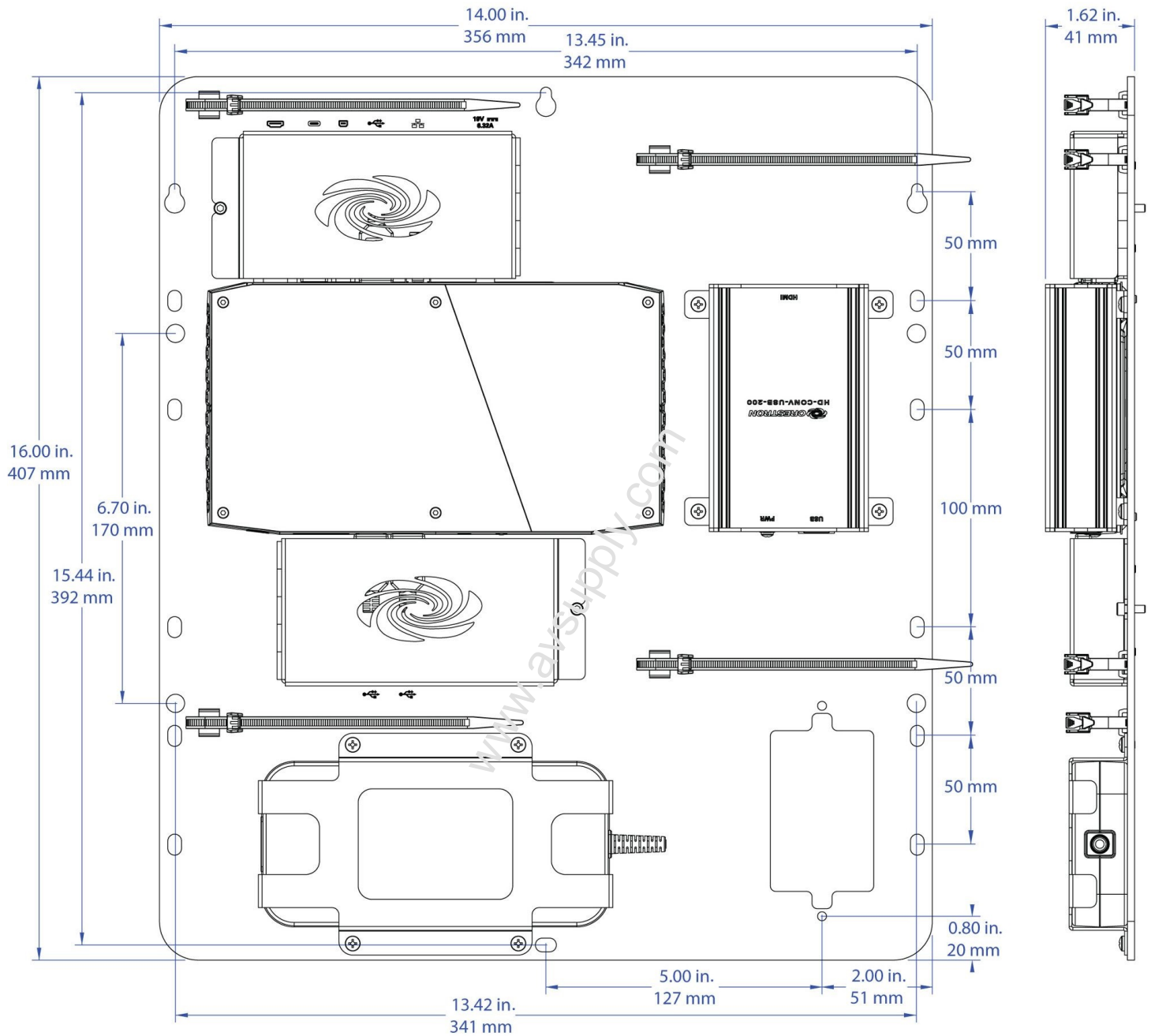
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UC Engine Assembly

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