
CRESTRON FLEX B100 SERIES

Paired with a 7" or 10" Crestron TSW touch screen and a Crestron UC-ENGINE, the Crestron **Flex B100 Series** transforms into the centerpiece of your meeting room. The full kit seamlessly integrates with Microsoft Teams™, Skype® for Business, and Zoom Rooms™ software in an easy-to-use and manage solution. The entire system works together to provide a world-class UC experience.

UC SMART SOUNDBAR

With a stunning, practical design and premium audio quality, the UC smart soundbar delights the user with crystal clear speech during calls and stellar microphone coverage. An integrated high-definition camera provides auto-zoom, people counting, and lifelike image quality to deliver nothing less than the best possible video conferencing experience. And it's as simple to set up as it is to use, with no configuration required.

TSW TOUCH SCREEN

Room control is simple via an intuitive UI running on a Crestron TSW touch screen featuring a large, high-resolution color display. You get a consistent user experience and native Microsoft Teams functionality.

HD TO USB VIDEO CONVERTER

Want to show content to participants in the room and on the call? No problem. With the HD-CONV-USB-200 you can effortlessly display your content to local and remote participants through the Crestron UC ENGINE. Just connect and go!

UC ENGINE

The Crestron UC ENGINE is the driving force in a Crestron Flex B100 Series meeting space. With an incredibly powerful NUC PC at its core, the UC ENGINE ensures a flawless meeting experience no matter the type of space, number of participants, type of presentation content, or number of video streams. The UC ENGINE interfaces directly with the UC smart soundbar, Huddly IQ® video conferencing camera, and Crestron HDMI® to USB video converter (HD-CONV-USB-200).



CRESTRON XiO CLOUD

The UC ENGINE and TSW touch screens benefit from zero-touch deployment via the Crestron XiO Cloud IoT™ platform. With only the serial number and device MAC address, provided at shipment, a network admin can remotely configure the devices before they even arrive on-site. Once online they will connect to the Cloud, retrieve their configuration and then, within seconds, be ready to host your meeting. Using the Crestron XiO Cloud dashboard, the network admin is able to manage every connected workplace device from Crestron and supported partners.

SPECIFICATIONS

Audio

AEC & DSP: Crestron Avia™ 2.0 acoustic echo cancellation, beamforming, dereverberation, automatic mic mixing, automatic gain control, and dynamic noise suppression

Microphones: Linear configuration with quad far-field array

Pickup range: 23ft (7m) typical

USB Audio: Front of table speakerphone to Microsoft for Business Audio Specification, 2-channel output support, 2-channel mono for USB send (microphone, UAC1 compatible)

Speakers: Full range output featuring 2x3-way speaker array with high quality passive crossover

Amplifier Power: 2x20W RMS

Frequency Range: 80Hz to 20kHz +/- 3dB

Effective Range: 91 DB SPL @ 1 meter at full power

UC Engine Specifications:

Processor: 6th generation Intel® Core™ i7-6770HQ processor with Intel® Iris™ Pro graphics (2.6 to 3.5 GHz Turbo, Quad Core, 6 MB Cache, 45W TDP)

RAM: 8GB (2x4GB) DDR4 2400MHz

Storage: 128GB m.2 SSD

Networking: Intel® I219-LM 10/100/1000 Mbps Ethernet

Power: 19V, 120W AC-DC power adapter

Camera

Software Specifications:

High-quality video scaling and dewarping

Flicker elimination

Robust automatic white balance

Optical aberration correction

3D Noise Reduction

Color:

Gray matters

Easy Installation:

Flexible mounting options

Suitable for desktop and room scenarios

Hardware Specifications:

High-grade 6 element ultra-wide angle optics

Horizontal field of view 120 degrees

Vertical field of view 90 degrees

Diagonal field of view 150 degrees

f/2.8 aperture

16 Megapixel 1/2.2" CMOS Sensor

SuperSpeed USB

High-Performance video processing engine

Low power consumption

Video:

HD 720p 30fps output

Low Latency

16:9 aspect ratio

Digital Pan/Tilt/Zoom with 3x lossless digital zoom

UVC 1.1 Compatible

YCbCr 4:2:0 and YCbCr 4:2:2 support over USB

Indicators

Feature multicolor LEDs for:

- Volume bar with relative level
- Mute status indication (Red)
- Active call indication (Green)

Additionally, the UC-SB1-CAM-NET indicates:

- Active call via Bluetooth indication (blue)
- Four (4) digital display with Bluetooth pairing code

Mechanical

Width: 43.6"

Height: 4.57"

Depth: 3.75"

Weight: TBD

Environmental

TBD

Connectors

Audio In: Analog audio in 3.5mm mini-jack, 1Vrms max

Audio Out: Fixed analog audio out 3.5mm mini-jack, 1Vrms max

USB for host: USB 3.0 full size B female connector

USB camera port: USB 3.0 full size A female connector

Power: IEC C7 receptacle supporting 100 - 220 universal AC connection

Compliance

UL 60950-1, FCC Part 15 Class A, Japan MIC/VCCI Class A, ICES-003 Issue 5 Class A, EN55022:2010 Class A, AS/NZS CISPR22:2010 Class A, VCCI Class A, EN55024:2010, EN61000-3-2:2014, EN61000-3-3:2013, EN60950-1:2006, EN60950-A2:2013, EN60950-A11:2009, EN60950-A1:2010, EN60950-A12:2011, FCC 15.247, RSS 210 Issue 8, RSS Gen Issue 4, ETSI EN 301489-1, ETSI EN 301489-17, AS/NZS 4268:2012, NZ Telepermit, Australia A&C Tick, RoHS compliant.

Accessories

TBD