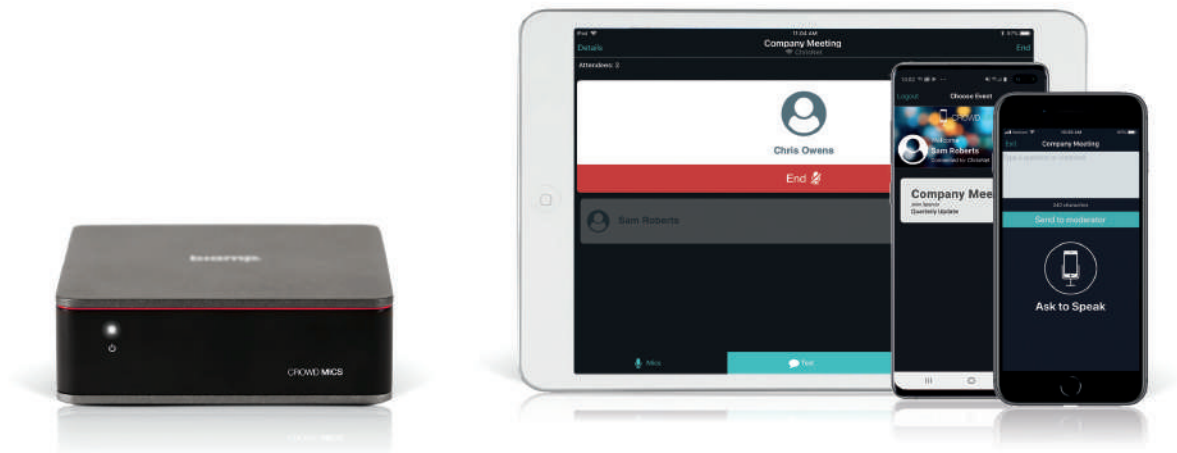# DATA SHEET
CROWD MICS™
AUDIENCE ENGAGEMENT SOLUTION

Crowd Mics™ empowers audience interaction by turning smartphones into wireless microphones. Crowd Mics is comprised of two apps — one for event attendees and the other for moderators — and a small, pre-configured hardware host device, the ATOM.

The ATOM serves as the central connection point between the attendee and moderator apps and the room's AV system. It supports four audio output interfaces: 3.5mm minijack, Euroblock connector, HDMI embedded audio, and USB audio. Any combination of these outputs can be used simultaneously. Optionally, the ATOM can be connected to the room's displays via HDMI to project poll results or other event content.

The ATOM also allows moderators to see a full participation log of each event including questions asked and poll results, and can be remotely monitored and managed via SageVue™ 2.0.

Both Crowd Mics apps are supported on Apple® mobile devices running iOS® v12.0 or newer, and the attendee app is also supported on Android devices running v8.0 or newer.

Crowd Mics is perfect for the participants and moderators of presentations, lectures, panel discussions or other similar events ranging in size up to 1000 attendees.

BENEFITS FOR ATTENDEES

- Three ways to participate
- No waiting for a microphone
- Intuitive user interface
- Get involved without talking
- Easy-to-use polling

BENEFITS FOR MODERATORS

- Streamlines audience interactions
- Choose who speaks next
- Deactivate attendee mics
- Create polls and publish results
- Measure audience engagement

CROWD MICS ATOM FEATURES

- Audio output via Euroblock, HDMI embedded audio, 3.5 minijack, or USB
- Video output via HDMI®
- Two HDMI connections for display mirroring

- Can be monitored and managed via SageVue 2.0
- CE marked, UL listed, and RoHS compliant
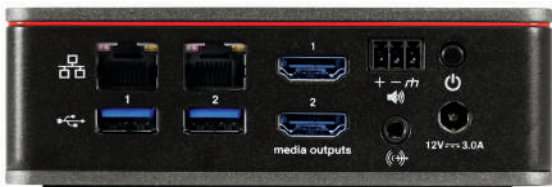- Covered by Biamp Systems' two-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The audience engagement solution shall be comprised of a host device and two mobile applications. The first mobile application shall support event attendee functionality, including but not limited to: requesting the opportunity to talk, participating in polls conducted by the event moderator, sending text messages to the moderator, and using the built-in microphone to talk once given the opportunity by the moderator. The second mobile application shall support event moderator functionality, including but not limited to: reviewing attendees who have requested to talk, selecting an attendee to talk, creating and distributing polls, deactivating attendee microphones, and sharing poll and/or event data to an external video output. Both the attendee and moderator applications shall be supported on Apple® devices running iOS® v12.0 or newer. The attendee application shall also be supported on Android devices running v8.0 or newer. The host device shall utilize an Ethernet network via RJ-45 connector for interfacing with attendee and moderator applications, as well as for control monitoring. The host device shall be equipped with two High-Definition Multimedia Interface (HDMI®) ports, balanced analog audio outputs, and two USB 3.0 type A ports. The host device shall be CE marked, UL listed and shall be compliant with the RoHS directive. The host device warranty shall be 2 years. The audience engagement solution shall be Crowd Mics™.

CROWD MICS ATOM SPECIFICATIONS

Network Connection:	Gigabit Ethernet, RJ-45 (Cat 5 and above)	**Power Consumption (100-240VAC 50/60Hz):**	< 132W
		Cooling:	Convection
Video Output:		**Overall Dimensions:**	
Supported Resolutions:	Up to 4K UHD	Height:	1.4 inches (35 mm)
Physical Interface:	HDMI 2.0	Width:	4.7 inches (120 mm)
Number of Outputs:	2	Depth:	4.7 inches (120 mm)
Analog Audio Output:		Weight:	2.2 lbs (1.0 kg)
Physical Interface:	Euroblock	**Environmental:**	
Frequency Response (20Hz~20kHz, +4dBu):	+0/-0.25dB	Ambient Operating	
THD+N (20Hz~20kHz):	< 0.006%	Temperature Range:	32 - 95° F (0 - 35° C)
Dynamic Range (20Hz~20kHz, 0dB):	> 96dB	Humidity:	0-95% relative humidity (non-condensing)
Output Impedance (balanced):	200Ω	Altitude:	0-10,000 ft (0-3000m) MSL
Maximum Output:	+12dBu	**Compliance:**	
Sampling Rate:	48 kHz		
D/A Converters:	24-bit		FCC Part 15B (USA)
USB:			CE Marked (Europe)
Version:	3.0		UL and C-UL listed (USA and Canada)
Number of Ports:	2		RoHS Directive (Europe)

CROWD MICS ATOM REAR PANEL