

# DATA SHEET

## TESIRA® EX-USB

### AVB/USB EXPANDER



The EX-USB can transport USB digital audio reliably throughout a customer's network and is not limited by the specification-defined maximum USB connection length of 5 meters. This makes the EX-USB ideal for installations requiring USB connections not located in a rack or near other equipment; installations requiring multiple USB audio inputs; or in projects using Tesira SERVER or SERVER-IO as the DSP since they have no on-board USB connection.

Powered by PoE, the EX-USB expander supports up to eight channels of input and eight output, which is enabled and configured through the Tesira software. The EX-USB is the perfect solution for a variety of room types and sizes that require USB audio, such as conference rooms or multi-purpose spaces.

#### FEATURES

- Supports 8 x 8 channels of configurable USB audio
- LED indicator for power and device status
- Configurable via Tesira software
- Powered by PoE (IEEE 802.3at Class 2, 7W)
- CE marked, UL listed, and RoHS compliant
- Covered by Biamp Systems' five-year warranty

## ARCHITECTS & ENGINEERS SPECIFICATIONS

The AVB/USB expander shall be designed exclusively for use with Tesira® systems. The AVB/USB expander shall utilize an AVB/TSN network via an RJ-45 connector for audio networking as well as software configuration and control. The AVB/USB expander shall include a Universal Serial Bus (USB) 2.0 connection on a standard USB-B type connector. The AVB/USB expander shall be software configurable to stream up to 8 channels of digital USB Class 1 Audio transmission or USB Class 2 Audio transmission either into or out of the AVB/USB expander, or simultaneous input and output. The AVB/USB expander shall be powered by PoE (IEEE 802.3at Class 2). The AVB/USB expander shall be CE marked, UL listed, and compliant with the RoHS directive. Warranty shall be five years. The AVB/USB expander shall be Tesira EX-USB.

## TESIRA EX-USB SPECIFICATIONS

<b>Network Connection:</b>	RJ-45 with Ethernet cable (Cat 5e and above)	<b>Overall Dimensions:</b>	
<b>Indicators:</b>	Power / Fault Indicator (Green/Red LED)	<b>Height:</b>	0.9 inches (24mm)
<b>USB:</b>		<b>Width:</b>	2.5 inches (64mm)
<b>Bit Depth:</b>	16-bit / 24-bit	<b>Depth:</b>	4.2 inches (106mm)
<b>Number of Channels:</b>	up to 8	<b>Weight:</b>	0.2 lbs (0.1 kg)
<b>Sample Rate:</b>	48kHz	<b>Environmental:</b>	
<b>Power:</b>	PoE (IEEE 802.3at Class 2, 7W)	<b>Ambient Operating Temperature Range:</b>	32 - 104° F (0 - 40° C)
		<b>Humidity:</b>	0-95% relative humidity (non-condensing)
		<b>Altitude:</b>	0-10,000 ft (0-3000m) MSL
		<b>Compliance:</b>	FCC Part 15B (USA) CE marked (Europe) UL and C-UL listed (USA and Canada) RoHS Directive (Europe)

Biamp and Tesira are either trademarks or registered trademarks of Biamp Systems, LLC in the United States and other countries. Other product names referenced may be trademarks or registered marks of their respective owners and Biamp Systems is not affiliated with or sponsored by these companies.



A: 9300 S.W. Gemini Drive Beaverton, OR 97008 USA

T: +1 503.641.7287

W: [www.biamp.com](http://www.biamp.com)

rev.0425