

DATA SHEET

TESIRA® EX-UBT

AVB/USB EXPANDER WITH BLUETOOTH® WIRELESS TECHNOLOGY



The EX-UBT 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-UBT 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-UBT expander supports up to eight channels of configurable USB audio as well as Bluetooth® wireless technology, which is enabled and configured through the Tesira software. With Bluetooth, the EX-UBT provides a cable-free solution for teleconferencing using soft codecs, continuing a mobile phone call into a meeting room, or for supplying background music in a hospitality setting. It's 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 up to 8 channels of configurable USB audio
- Supports Bluetooth wireless technology
- LED indicators for power and wireless 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 support Bluetooth® wireless technology and shall be compatible with the Hands-Free Profile and Advanced Audio Distribution Profile. The AVB/USB expander shall support the SBC, mSBC, and AAC codecs. The AVB/USB expander shall support the Qualcomm® aptX™ codec. 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-UBT.

TESIRA EX-UBT SPECIFICATIONS

Network Connection:	RJ-45 with Ethernet cable (Cat 5e and above)	Power:	PoE (IEEE 802.3at Class 2, 7W)
Indicators:	Power Indicator (Green/Red LED) Wireless Indicator (Blue/Red LED)	USB:	
Bluetooth Wireless Technology:		Bit Depth:	16-bit / 24-bit
Version:	4.2, Class 2	Number of Channels:	up to 8
Mode:	Bluetooth Classic	Sample Rate:	48kHz
Supported Profiles:	Hands-Free Profile 1.7 (HFP) Advanced Audio Distribution Profile 1.3 (A2DP)	Overall Dimensions:	
Supported Codecs:	mSBC (16 kHz), SBC (48 kHz), AAC (48 kHz), aptX (48 kHz)	Height:	0.9 inches (24mm)
Maximum Transmit Power:		Width:	2.5 inches (64mm)
BER/EDR:	6.43 dBm (EIRP)	Depth:	4.2 inches (106mm)
BLE:	7.69 dBm (EIRP)	Weight:	0.2 lbs (0.1 kg)
Receive Sensitivity (0.1% BER):	-88 dBm	Environmental:	
Frequency Band:	2,402 to 2,480 MHz	Ambient Operating Temperature Range:	32 - 104° F (0 - 40° C)
Wireless Range:	Up to 100 feet (30 m)	Humidity:	0-95% relative humidity (non-condensing)
		Altitude:	0-10,000 ft (0-3000m) MSL
		Compliance:	FCC Part 15B (USA) CE marked (Europe) UL and C-UL listed (USA and Canada) RoHS Directive (Europe)

TESIRA EX-UBT BACK PANEL



Biamp and Tesira are either trademarks or registered trademarks of Biamp Systems, LLC in the United States and other countries. The Bluetooth word mark and logos are registered trademarks owned by Bluetooth SIG, Inc., and any use of such marks by Biamp Systems is under license. Qualcomm is a trademark of Qualcomm Incorporated, registered in the United States and other countries, used with permission. aptX is a trademark of Qualcomm Technologies International, Ltd., registered in the United States and other countries, used with permission. ASIO is a registered trademark of Steinberg Media Technologies GmbH, used with permission. 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.



biamp.

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

T: +1 503.641.7287

W: www.biamp.com

TESDS-369-2010-EN-R1