

## DATA SHEET

# TesiraCONNECT™ TC-5D ROOM CONNECTION DEVICE WITH DANTE™



TesiraCONNECT™ TC-5D serves as the central connection point for all Biamp® and Dante™ devices in a conference room. It simplifies installations by providing power and media over a single category cable between devices such as Tesira AVB DSPs, USB extenders, PoE+ amplifiers and microphones as well as 3rd party Dante devices. Four of the five Gigabit RJ-45 ports provide PoE+ power (IEEE 802.3at Class 4, 30W) to connected endpoints, while the remaining RJ-45 port is used for DSP connection or daisy chaining TesiraCONNECT devices together. TC-5D eliminates the need for third-party switches; it works out-of-the-box with Tesira and Dante products and does not require any device configuration. The small form factor allows it to be easily mounted to a wall or under a table, or placed above the ceiling or inside a credenza in the conference room.

### FEATURES

- Five 1 Gbps RJ-45 ports
- Four ports support PoE+ power (IEEE 802.3at Class 4, 30W)
- Up to 4 TesiraCONNECT devices can be daisy chained together
- Supports upto 32x32 channels of Dante audio
- Auto-detects media network on each port
- Front panel LEDs indicate port connections, device status, and fault conditions
- Fault reporting and device monitoring supported in SageVue™
- Supports Dante Domain Manager
- Dante routing configured in Dante Controller
- Out-of-the-box compatibility with Biamp AVB products and Dante products
- External universal power supply with locking power connector
- CE marked, UL listed, and RoHS compliant
- Covered by Biamp Systems' five-year warranty

## ARCHITECTS & ENGINEERS SPECIFICATIONS

The room connection device shall be designed exclusively for use with Biamp® Tesira® systems. The room connection device shall support two-way transmission of media and control signals via RJ-45 connectors. The room connection device shall support data transmission speeds of 100Mb per second and 1Gb per second on all RJ-45 ports. The room connection device shall support connections to up to four Tesira endpoints; each of the four RJ-45 ports shall support PoE+ power (IEEE 802.3at Class 4, 30W). One RJ-45 port on the room connection device shall support device daisy chaining or direct connection to a digital signal processor (DSP). The room connection device shall be CE marked, UL listed, and shall be compliant with the RoHS directive. Warranty shall be five years. The room connection device shall be TesiraCONNECT™.

## TesiraCONNECT SPECIFICATIONS

<b>Connections:</b>		<b>Power Consumption (100-240VAC 50/60Hz):</b>	< 132W
<b>Number of Ports:</b>	5	<b>Cooling:</b>	Convection
<b>Connector Type:</b>	RJ-45	<b>Overall Dimensions:</b>	
<b>Supported Connection Speeds:</b>	100Mbps, 1Gbps	<b>Height:</b>	1.1 inches (48 mm)
<b>Number of PoE+ Powered Ports:</b>	4	<b>Width:</b>	5.8 inches (147 mm)
<b>Supported IEEE Protocols:</b>	802.1, 802.1at, 802.1w, 802.1AS, 802.1BA, 802.1Qav, 802.3ab, 802.3af, 803.3u	<b>Depth:</b>	5.8 inches (147 mm)
<b>Total PoE Power Budget:</b>	120W	<b>Weight:</b>	1.5 lbs (0.7 kg)
<b>Indicators:</b>		<b>Environmental:</b>	
<b>Front Panel:</b>	Power, Device Status, Fault, Port Status (per port)	<b>Ambient Operating Temperature Range:</b>	32 - 104° F (0 - 40° C)
<b>Rear Panel (per port):</b>	Link, Activity	<b>Humidity:</b>	0-95% relative humidity (non-condensing)
<b>Maximum Number of AVB Streams:</b>	150	<b>Altitude:</b>	0-6,600 ft (0-2000m) MSL
<b>Maximum Number of Dante Channels:</b>	35x35	<b>Compliance:</b>	
<b>Maximum Daisychain Device Count:</b>	4		FCC Part 15B (USA)
<b>Maximum Number of Supported Endpoints:</b>	13		UL and C-UL listed (USA and Canada)
			CE Marked (Europe)
			RoHS Directive (Europe)

Biamp, TesiraCONNECT, SageVue, 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.