

## 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
- Evaluated to the requirements of UL 2043 and is suitable for use in air handling spaces
- CE marked, UL listed, and RoHS compliant
- Covered by Biamp Systems' five-year warranty

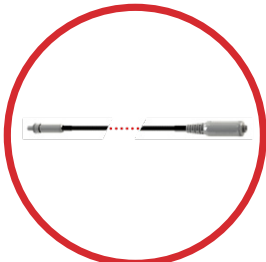
## ARCHITECTS & ENGINEERS SPECIFICATIONS

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 media network endpoints using either Biamp AVB or Dante; 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™ TC-5D.

## TesiraCONNECT TC-5D SPECIFICATIONS

<b>Connections:</b>		<b>Cooling:</b> Convection	
<b>Number of Ports:</b>	5	<b>Overall Dimensions:</b>	
<b>Connector Type:</b>	RJ-45	<b>Height:</b>	1.1 inches (28 mm)
<b>Supported Connection Speeds:</b>	100Mbps, 1Gbps	<b>Width:</b>	5.8 inches (147 mm)
<b>Number of PoE+ Powered Ports:</b>	4	<b>Depth:</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>Weight:</b>	1.5 lbs (0.7 kg)
<b>Total PoE Power Budget:</b>	120W	<b>Environmental:</b>	
<b>Indicators:</b>		<b>Ambient Operating Temperature Range:</b>	32 - 104° F (0 - 40° C)
<b>Front Panel:</b>	Power, Device Status, Fault, Port Status (per port)	<b>Humidity:</b>	0-95% relative humidity (non-condensing)
<b>Rear Panel (per port):</b>	Link, Activity	<b>Altitude:</b>	0-6,600 ft (0-2000m) MSL
<b>Maximum Number of AVB Streams:</b>	150	<b>Compliance:</b>	
<b>Maximum Number of Dante Channels:</b>	32x32	FCC Part 15B (USA)	
<b>Maximum Daisychain Device Count:</b>	4	UL and C-UL listed (USA and Canada)	
<b>Maximum Number of Supported Endpoints:</b>	13	CE Marked (Europe)	
<b>Power Consumption (100-240VAC 50/60Hz):</b>	< 132W	RoHS Directive (Europe)	
		Evaluated to the requirements of UL 2043 and is suitable for use in air handling spaces	

## OPTIONAL ACCESSORIES



### PEX

50 ft (15m) power extension cable



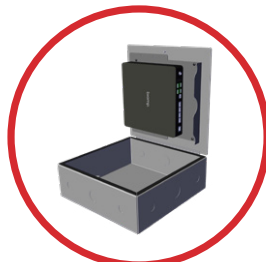
### TesiraCONNECT Bracket

Under table mounting bracket



### RMX 100

Universal Rack Shelf



### Plenum Box 12x12

Chicago compliant plenum box



### C5E-10-P, C5E-25-P

10ft and 25ft pre-terminated plenum rated Cat 5e cables

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