

## DATA SHEET

# TesiraCONNECT™ TC-5 ROOM CONNECTION DEVICE



TesiraCONNECT™ TC-5 serves as the central connection point for all Biamp® devices in a conference room. It simplifies conferencing installations by providing power and media over a single category cable between devices such as Tesira AVB DSPs, USB extenders, PoE+ amplifiers, and microphones. 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. TesiraCONNECT TC-5 eliminates the need for third-party switches; it works out-of-the-box with Tesira 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
- Front panel LEDs indicate port connections, device status, and fault conditions
- Fault reporting and device monitoring supported in SageVue™
- Out-of-the-box compatibility with Tesira conferencing products
- External universal power supply
- CE marked, UL listed, and RoHS compliant
- Evaluated to the requirements of UL 2043 and is suitable for use in air handling spaces
- 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™ TC-5.

## TesiraCONNECT TC-5 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>	FCC Part 15B (USA) UL and C-UL listed (USA and Canada) CE Marked (Europe) RoHS Directive (Europe) Evaluated to the requirements of UL 2043 and is suitable for use in air handling spaces
<b>Maximum Daisychain Device Count:</b>	4		
<b>Maximum Number of Supported Endpoints:</b>	13		
<b>Power Consumption (100-240VAC 50/60Hz):</b>	< 132W		

## OPTIONAL ACCESSORIES



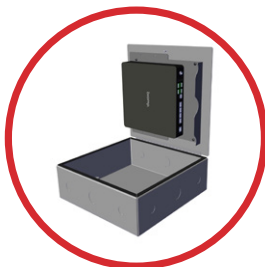
**PEX**  
50 ft (15m) power extension cable



**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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