

DATA SHEET

IMPERA TANGO

CONTROLLER



The Impera Tango serves as a controller for Biamp touch panels, providing easy control of all room functions. The Tango is equipped with three bi-directional RS-232 interfaces for sending commands to AV devices with feedback functionality. It is additionally equipped with 2 uni-directional RS-232 interfaces for sending commands to AV devices using serial or infrared communication. 8 GPIO are available for control of relays, switches and sensors. Impera Tango is a versatile AV control system for medium and large conference rooms.

FEATURES

- Programmed via Project Designer software
- 3 bi-directional RS-232 ports or 6 IR ports
- 2 uni-directional RS-232 ports or 4 IR ports
- 4 built-in assignable relays
- 8 GPIO for control of relays, switches, and sensors
- PoE powered (IEEE 802.3at Class 3, 15W)
- Covered by Biamp Systems' five-year warranty

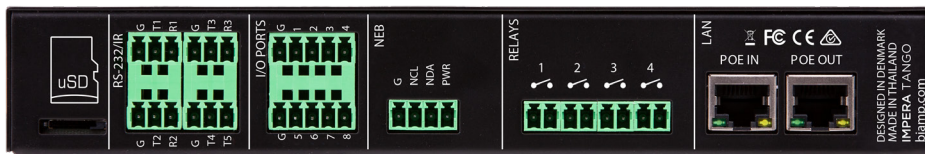
ARCHITECTS & ENGINEERS SPECIFICATIONS

The controller shall utilize an Ethernet network via an RJ-45 connector for software configuration and control. The controller shall include 3 bi-directional RS-232 connections for control data transmission into or out of the controller and such operation shall be externally programmable. The controller shall include 8 GPIO connections for the control of relays, switches, and sensors and such operation shall be externally programmable. The controller shall include 4 assignable relays. The controller shall be powered by PoE (IEEE 802.3at Class 3, 15W). The controller shall be CE marked, UL listed, and shall be compliant with the RoHS directive. Warranty shall be five years. The controller shall be the Impera Tango.

IMPERA TANGO SPECIFICATIONS

Network Connection:	RJ-45 with Ethernet (CAT5e or better)	Power:	IEEE 802.3at Class 3, 15W
RS-232 / IR		Cooling:	Convection
Number of Ports:	3 (bi-directional) 2 (uni-directional)	Overall Dimensions	
Connector:	3-pin, 0.3-inch Euroblock	Height:	1.4 inches (35 mm)
Baud Rate:	1200 - 115200 bit/sec	Width:	8.7 inches (220 mm)
Data Bits:	7, 8	Depth:	2.8 inches (70 mm)
Parity:	Even, Odd, None	Weight:	1.1 lbs (0.5 kg)
Stop Bits:	1, 2	Environmental	
IR Frequency Range:	400 Hz to 500 kHz	Ambient Operating Temperature Range:	32 - 86° F (0 - 30° C)
GPIO		Humidity:	10-90% relative humidity (non-condensing)
Number of Ports:	8	Altitude:	0-6,600 ft (0-2000m) MSL
Connector:	5-pin, 0.3-inch Euroblock	Compliance:	
Type:	Open drain		FCC Part 15B (USA)
Input Trigger Low:	< 1VDC		UL listed (USA and Canada)
Input Trigger High:	> 4VDC		CE Marked (Europe)
Isolated Output:	No		RoHS Directive (Europe)
Max Voltage:	24VDC		
Max Current:	0.5A		
Relays			
Quantity:	4		
Connector:	2-pin, 0.3-inch Euroblock		
Power capacity:	30VDC / 0.5A		

IMPERA TANGO REAR PANEL



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