

DATA SHEET

IMPERA TANGO

CONTROLLER



The Impera Tango is a controller for Biamp Apprimo touch panels, enabling easy control of all room functions. The Tango can host up to 5 touch panel interfaces. It is equipped with three bidirectional RS-232/IR ports for sending commands with feedback functionality; 2 unidirectional RS-232/IR ports for sending commands to AV devices using serial or infrared communication; 8 GPIO connections for control of relays, switches and sensors; LAN control for 10 third-party and 8 Biamp devices; and 4 assignable relays for control of mechanical devices. The Impera Tango is a versatile AV control system for presentation spaces, learning environments, conference rooms, and more.

FEATURES

- Host up to 5 Apprimo touch panels
- 3 bidirectional RS-232/IR ports
- 2 unidirectional RS-232/IR ports
- 4 built-in assignable relays
- 8 GPIO for control of relays, switches, and sensors
- PoE powered (IEEE 802.3at Class 3, 15W)
- Configured in Project Designer software
- Covered by a five-year warranty

ARCHITECTS & ENGINEERS SPECIFICATIONS

The Impera Tango controller utilizes an Ethernet network via an RJ-45 connector for software configuration and control. The controller includes 3 bidirectional RS-232/IR port for controlling third party devices with feedback functionality; 2 unidirectional RS-232/IR ports for controlling third party devices; 8 general purpose input/output (GPIO) connections for sending or receiving logic signals; LAN control for 10 third-party and 8 Biamp devices; and 4 assignable relays. The controller connects to and operates up to 5 touch panel interfaces. The controller's connections and operations are externally configurable. The controller is powered by PoE (IEEE 802.3at Class 3, 15W), and includes a PoE OUT connector to power an external device such as a touch panel. The Impera Tango is CE marked, UL listed, and compliant with the RoHS directive. The Impera Tango is covered by a five-year warranty.

IMPERA TANGO SPECIFICATIONS

Network Connection:	RJ-45 with Ethernet (CAT5e or better)	Power:	
RS-232 / IR		PoE Input	IEEE 802.3af Class 3, 15 W
Number of Ports:	3 (bidirectional) 2 (unidirectional)	Compliance:	
Connector:	3-pin, 0.3-inch Euroblock	Power input:	
Baud Rate:	1200 - 115200 bit/sec	PoE Output	IEEE 802.3af
Data Bits:	7, 8	Compliance:	12 W @ 15 W input
Parity:	Even, Odd, None	Max power output:	
Stop Bits:	1, 2	Overall Dimensions	
IR Frequency Range:	400 Hz to 500 kHz	Height:	1.4 inches (35 mm)
GPIO		Width:	8.7 inches (220 mm)
Number of Ports:	8	Depth:	2.8 inches (70 mm)
Connector:	5-pin, 0.3-inch Euroblock	Weight:	1.1 lbs (0.5 kg)
Type:	Open drain	Environmental	
Input Trigger Low:	< 1VDC	Ambient Operating	
Input Trigger High:	> 4VDC	Temperature Range:	32 - 86° F (0 - 30° C)
Isolated Output:	No	Humidity:	10-90% relative humidity (non-condensing)
Max Voltage:	24VDC	Altitude:	0-6,600 ft (0-2000m) MSL
Max Current:	0.5A	Compliance:	
Ethernet			FCC Part 15B (USA)
Port Speed:	10/100 Mbps		UL listed (USA and Canada)
Autosense:	Yes		CE Marked (Europe)
Number of third-party devices supported:	10		RoHS Directive (Europe)
Number of Biamp devices supported:	8		
Relays			
Quantity:	4		
Connector:	2-pin, 0.3-inch Euroblock		
Power capacity:	30VDC / 0.5A		

IMPERA TANGO REAR PANEL



Biamp and Impera 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.