

# DATA SHEET

## IMPERA LIMA CONTROLLER



The Impera Lima serves as a controller for Biamp touch panels, providing easy control of all room functions. The Lima is equipped with two bi-directional RS-232 interfaces for sending commands to AV devices with feedback functionality. 2 GPIO are available for control of relays, switches and sensors. Impera Lima is a versatile AV control system for huddle rooms and small conference rooms.

### FEATURES

- Programmed via Project Designer software
- 2 bi-directional RS-232 ports or 4 IR ports
- 2 built-in assignable relays
- 2 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 2 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 2 GPIO connections for the control of relays, switches, and sensors and such operation shall be externally programmable. The controller shall include 2 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 Lima.

## IMPERA LIMA SPECIFICATIONS

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

## IMPERA LIMA REAR PANEL



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