DATA SHEET
IMPERA UNIFORM
8-BUTTON E INK CONTROL PAD WITH ETHERNET PORT

The Impera Uniform control pad is a compact, highly customizable AV control suitable for wall-mounting. It provides a simple and intuitive interface for presentation spaces, learning environments, and conference rooms, regardless of the type of equipment installed.

Equipped with a software configurable E Ink display, the Uniform can be quickly programmed and customized within Project Designer as the needs of the room change over time, making the Uniform a very flexible and cost effective control solution.

FEATURES

- Supports up to 8 software-configurable buttons
- 2.7-inch high contrast E Ink display
- Includes on-board controller; no external processor required
- 1 bi-directional RS-232 port for third party control with feedback
- 2 uni-directional RS-232 ports for third party control
- 3 GPIO ports
- Supports email notifications for lamp/filter hours and warnings
- Micro USB connection for system configuration and maintenance
- Expansion Bus supports up to 8 additional devices (keypads and port expanders)
- PoE powered (IEEE 802.3at Class 1, 4W) for simple, single CAT5e/CAT6 cable installation
- Covered by Biamp Systems' five-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The control pad shall include 8 mechanical buttons for initiating control functions. The control pad shall include 8 multicolor, software configurable LEDs. Each mechanical button shall have a corresponding LED. The control pad shall include a high contrast E Ink display for function identification and labeling. The control pad shall utilize an Ethernet network via an RJ-45 connector for networking as well as software configuration and control. The control pad shall include 1 bi-directional RS-232/IR port for controlling third party devices with feedback functionality and shall be software programmable. The control pad shall include 2 uni-directional RS-232/IR ports for controlling third party devices and shall be software programmable. The control pad shall include 3 channels of General Purpose Input and Output connection (GPIO) for sending or receiving logic signals. The programming of the GPIO ports shall be software configurable. The control pad shall include 1 micro USB port for local system configuration and maintenance. The control pad shall be made from white PVC/ABS material with UV protection additive. The control pad shall be powered by PoE (IEEE 802.3at Class 1, 4W). The control pad shall be CE marked and shall be compliant with the RoHS directive. Warranty shall be five years. The control pad shall be the Impera Uniform.

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A: 9300 S.W. Gemini Drive Beaverton, OR 97008 USA T: +1 503.641.7287 W: www.biamp.com

IMPERA UNIFORM SPECIFICATIONS

Display	
Display Type:	High-Contrast 2.7” E Ink display
Resolution:	264 x 172 pixels
Color:	Black/white
Control	
Button Quantity:	8
Button Type:	Mechanical
LED Indicators:	Multi-color
GPIO	
I/O Quantity:	3
Sense Low:	< 1 VDC
Sense High:	> 4 VDC
Output Type:	Open drain
Max Voltage:	24 VDC
Max Current:	0.5 A
RS-232 / IR	
Number of Ports:	1 (bidirectional) 2 (undirectional)
Baud Rate:	1200 – 115200 bit/sec
Data Bits:	7, 8
Parity:	Even, Odd, None
Stop Bits:	1, 1.5, 2
IR Frequency Range:	381 Hz to 500 kHz

Expansion Bus	
Output Power:	12 V DC (0.3 A)
Number of Devices Supported:	8
Ethernet	
Port Speed:	10/100 Mbps
Autosense:	Yes
Number of Devices Supported:	2
Power:	PoE (IEEE 802.3at Class 1, 4W)
Power Consumption:	< 4W Max
Included Accessories:	In-wall mounting bracket Mounting screws and wall plugs
Overall Dimensions	
Height:	3.7 inches (94 mm)
Width:	3 inches (76 mm)
Depth:	0.6 inches (15 mm)
Weight:	0.2 lbs (84 g)
Environmental	
Ambient Operating Temperature Range:	32 - 104° F (0 – 40° C)
Humidity:	10-90% relative humidity (non-condensing)
Altitude:	0-6,600 ft (0-2000m) MSL
Compliance	
	CE Marked (Europe) RoHS Directive (Europe)

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