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

The Impera Uniform control pad is a compact, highly customizable wall-mounted AV control pad. It provides a simple and intuitive interface for presentation spaces, learning environments, and conference rooms, regardless of the type of equipment installed. With its built-in controller and 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 room 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 bidirectional RS-232/IR port for third party control with feedback
- 2 unidirectional RS-232/IR ports for third party control
- 3 GPIO ports
- Supports email notifications for lamp/filter hours and warnings
- Mini 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 a five-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The Impera Uniform control pad includes 8 mechanical buttons for initiating functions. Each mechanical button has a corresponding software configurable, multicolor LED. The control pad includes a high contrast e-ink display for function identification and labeling. The control pad utilizes an Ethernet network via an RJ-45 connector for software configuration and control. The control pad includes 1 bidirectional RS-232/IR port for controlling third party devices with feedback functionality; 2 unidirectional RS-232/IR ports for controlling third party devices; and 3 General Purpose Input and Output (GPIO) connections for sending or receiving logic signals; and LAN control for 2 third-party and 8 Biamp devices. The controller's connections and operations are externally configurable. The control pad includes 1 USB mini port for local system configuration and maintenance. The control pad is made from white PVC/ABS material with UV protection additive. The control pad is powered by PoE (IEEE 802.3at Class 1, 4W). The control pad is CE marked and is compliant with the RoHS directive. The Impera Uniform is covered by a five-year warranty.

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:	7 colors
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, 2
IR Frequency Range:	381 Hz to 200 kHz
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

Ethernet	
Port Speed:	10/100 Mbps
Autosense:	Yes
Number of third-party devices supported:	2
Numer of Biamp devices supported:	8
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)

Biamp strives to improve its products on a continual basis. Specifications are therefore subject to change without notice.

OPTIONAL ACCESSORIES

KP-U8-RP
US/UK wall adaptor plate

KP-U8-WB
Angled wall mount

biamp.

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