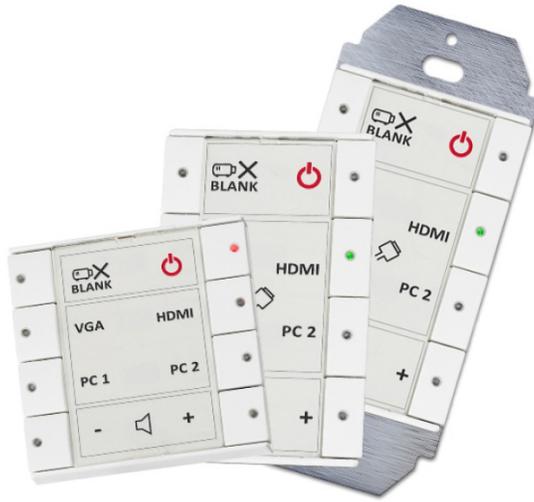


DATA SHEET

IMPERA ECHO PLUS

8-BUTTON CONTROL PAD WITH ETHERNET PORT



The Impera Echo Plus control pad is a compact, highly customizable AV control suitable for wall-mounting or installation in the EasyConnect tabletop cable management solution. It provides a simple and intuitive interface for presentation spaces, learning environments, and conference rooms, regardless of the type of equipment installed.

The Echo Plus can be quickly programmed and customized within Project Designer as the needs of the room change over time, making it a very flexible and cost effective control solution.

FEATURES

- Supports up to 8 software-configurable buttons
- Includes on-board controller; no external processor required
- Controls up to 2 third party devices over Ethernet
- 1 bi-directional RS-232/IR port for third party control with feedback
- 1 uni-directional RS-232/IR port for third party control
- 3 GPIO ports
- Mini USB connection for system configuration and maintenance
- Supports email notifications for lamp/filter hours and warnings
- Expansion Bus supports up to 2 additional devices (keypads and port expanders)
- 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 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 1 uni-directional RS-232/IR port 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 be CE marked and compliant with the RoHS directive. Warranty shall be five years. The control pad shall be the Impera Echo Plus.

IMPERA ECHO PLUS SPECIFICATIONS

| | | | |
|-------------------------------------|---|----------------------------|---|
| Control | | Power: | 12V DC 5W |
| Button Quantity: | 8 | EU Model Dimensions | |
| Button Type: | Mechanical | Height: | 2.2 inches (55 mm) |
| LED Indicators: | Multi-color | Width: | 2.2 inches (55 mm) |
| Ethernet | | Depth: | 0.7 inches (17 mm) |
| Port Speed: | 10/100 Mbps | DK Model Dimensions | |
| Autosense: | Yes | Height: | 1.8 inches (45 mm) |
| Number of Devices Supported: | 2 | Width: | 2.8 inches (72 mm) |
| GPIO | | Depth: | 0.7 inches (17 mm) |
| I/O Quantity: | 3 | US Model Dimensions | |
| Sense Low: | < 1 VDC | Height: | 4.1 inches (105 mm) |
| Sense High: | > 4 VDC | Width: | 1.8 inches (45 mm) |
| Output Type: | Open drain | Depth: | 0.9 inches (24 mm) |
| Max Voltage: | 24 VDC | Weight: | 0.20 lbs (90 g) |
| Max Current: | 0.5 A | Environmental | |
| RS-232 / IR | | Ambient Operating | |
| Number of Ports: | 1 (bidirectional) 1 (unidirectional) | Temperature Range: | 32 - 104° F (0 - 40° C) |
| Baud Rate: | 1200 - 115200 bit/sec | Humidity: | 10-90% relative humidity (non-condensing) |
| Data Bits: | 7, 8 | Altitude: | 0-6,600 ft (0-2000m) MSL |
| Parity: | Even, Odd, None | Compliance | |
| Stop Bits: | 1, 1.5, 2 | | CE Marked (Europe) |
| IR Frequency Range: | 381 Hz to 500 kHz | | RoHS Directive (Europe) |
| Expansion Bus | | | |
| Output Power: | 12 V DC (0.3 A) | | |
| Number of Devices Supported: | 2 | | |

IMPERA ECHO PLUS REAR PANEL (EU MODEL)



IMPERA ECHO PLUS MODELS

| | |
|------|-----------------------|
| 8DKW | DK form factor, white |
| 8DKB | DK form factor, black |
| 8EUW | EU form factor, white |
| 8EUB | EU form factor, black |
| 8USW | US form factor, white |

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