DATA SHEET
IMPERA SIERRA II
8-BUTTON CONTROL PAD WITH ETHERNET PORT

The Impera Sierra II 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 Sierra II 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. The Sierra II also offers extensive control features through a built-in web server.

FEATURES

- Supports up to 8 software-configurable buttons
- Includes on-board controller; no external processor required
- Controls up to 10 third party devices over Ethernet
- 1 bi-directional RS-232/IR port for third party control with feedback
- 2 uni-directional RS-232/IR ports for third party control
- 3 GPIO ports
- Built-in web server
- Mini USB connection for system configuration and maintenance
- Supports email notifications for lamp/filter hours and warnings
- Expansion Bus supports up to 5 additional devices (keypads and port expanders)
- Covered by Biamp Systems' five-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

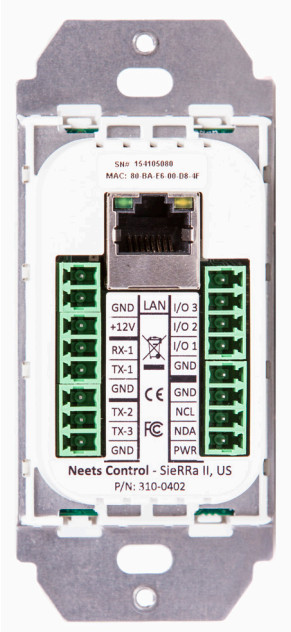
The control pad shall include 8 mechanical buttons for initiating control functions. The control pad shall include 8 multicolor, software configurable LEDs. Each mechanical button shall have a corresponding LED. The control pad shall utilize an Ethernet network via an RJ-45 connector for networking as 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 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 a web server. The control pad shall be powered by PoE (IEEE 802.3at Class 1, 4W) or 12V DC. 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 Sierra II.

IMPERA SIERRA II SPECIFICATIONS

Control	
Button Quantity:	8
Button Type:	Mechanical
LED Indicators:	Multi-color
Ethernet	
Port Speed:	10/100 Mbps
Autosense:	Yes
Number of Devices Supported:	10
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:	5

Power	
Main:	12V DC 5W
PoE:	IEEE 802.3at Class 1, 4W
EU Model Dimensions	
Height:	2.2 inches (55 mm)
Width:	2.2 inches (55 mm)
Depth:	0.7 inches (17 mm)
DK Model Dimensions	
Height:	1.8 inches (45 mm)
Width:	2.8 inches (72 mm)
Depth:	0.7 inches (17 mm)
US Model Dimensions	
Height:	4.1 inches (105 mm)
Width:	1.8 inches (45 mm)
Depth:	0.9 inches (24 mm)
Weight:	0.20 lbs (90 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)

IMPERA SIERRA II REAR PANEL (US MODEL)



IMPERA SIERRA II 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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