

i-Series User Panels



i-Series Panel

The i-Series panels are user control panels that are compatible with the Eclipse and Eclipse HX Digital Matrix Systems, offering high key density and rugged modular construction all in a compact 1RU package.

DESCRIPTION

The i-Series design emphasizes simplicity. No specialized training is required to operate an i-Series panel. Intuitive lighting indicates the status of keys for ease of use. Each key may be programmed for talk, listen, or talk-with-listen.

The keys are built into either five character alphanumeric display module or a non-display module and serve as the basic building blocks of an i-Series intercom panel. A panel can accommodate from one to four key modules which can be added or removed as needed.

FUNCTION KEYPAD MODULE

The function keypad module offers the user a number of extra features:

- Access to the shift page
- Local key assignment
- IFB source and destination assignment
- Side tone adjustment

AUX-101 MODULE

The AUX-101 module gives the user access to multiple audio sources, multiple speakers, and headset inputs/ outputs when an auxiliary options module is installed (i-1470E only). The auxiliary options module also provides you with two relays and two GPIs (general purpose inputs) that can be used either locally or system-wide.

EXPANSION PANEL

The i-Series e-1410E expansion panel is fitted with 4 display key modules providing an extra 32 pushbuttons and is connected back to the main panel over a simple CAT5 connection.

KEY FEATURES

- Up to 32 keys in 1RU panel
- Modular and configurable panel architecture
- Display and non-display key modules options available
- Up to five expansion panels can be connected to an i-Series panel (e-1410E expansion panels)
- Auto-sensing headset and microphone connectors
- Individual cross-point volume level control via main volume encoder
- Integrated power supply
- Integrated loudspeaker
- High contrast yellow and black LED displays



i-Series User Panel (Rear)

TECHNICAL SPECIFICATIONS

Front Panel Controls & Connectors

- Talk/Listen Buttons: 14 (2 key modules)
30 (4 key modules)
- Function Buttons: 4
- Answer Back Button: 1
- Clear Button: 1
- Volume Controls: 2 (Main and vol/prog)
- Headset Connector: 1 (XLR-4M)
- Panel Mic Connector: 1 locking 1/4 in. phone jack

Rear Panel Connectors

- To Matrix: RJ-45
DB-15F
- Expansion: RJ-45
- Power: 3-pin EIA connector

Headset Audio

- Earphone Impedence: From 50 Ohms
- Output Power: 0.5W into 50 Ohms for <1% distortion

Loudspeaker Audio

- Frequency Response: 40Hz-20KHz +/- 3dB

Panel Microphone Input

- Type: Electret
- Level: -40 dBu
- Impedence: 200 Ohms +/-10%

Headset Microphone Inputs

- Type: Dynamic
- Level: -55-0dBu

Main Power Supply (Internal)

- Voltage: 90/240 VAC +/- 10%
- Frequency: 50-60Hz
- Power: 50 W maximum

Environmental

- Operating: 32°-125° F (0°-50° C)
- Storage: 32°-150° F (0°-70° C)
- Humidity: Between 20% and 90% non-condensing

Dimensions

- 19 in. W x 1.75 in. H x 8.25 in. D
(482 mm x 45 mm x 210 mm)

Weight

- 7.5 lbs (3.4 KG)

ORDER CODES

PART NO.	DESCRIPTION
i-1200E	1RU 16 Key Pushbutton Non-Display Panel 4 pin XLR Connector
i-1400E	1RU 32 Key Pushbutton Non-Display Panel 4 pin XLR Connector
i-1430E	1RU 32 Key Pushbutton 5 Character Alphanumeric Display Panel with Keypad for Local Assignment 4 pin XLR Connector
i-1470E	1RU 32 Key Pushbutton 5 Character Alphanumeric Display Panel with Keypad for Local Assignment and AUX-101 Module 4 pin XLR Connector
e-1410E	1RU Expansion 32 Key Pushbutton 5 Character Alphanumeric Display Panel

Notice About Specifications

While Clear-Com makes every attempt to maintain the accuracy of the information contained in its product data sheet, that information is subject to change without notice. Performance specifications included in this data sheet are design-center specifications and are included for customer guidance and to facilitate system installation. Actual operating performance may vary.