Ampac
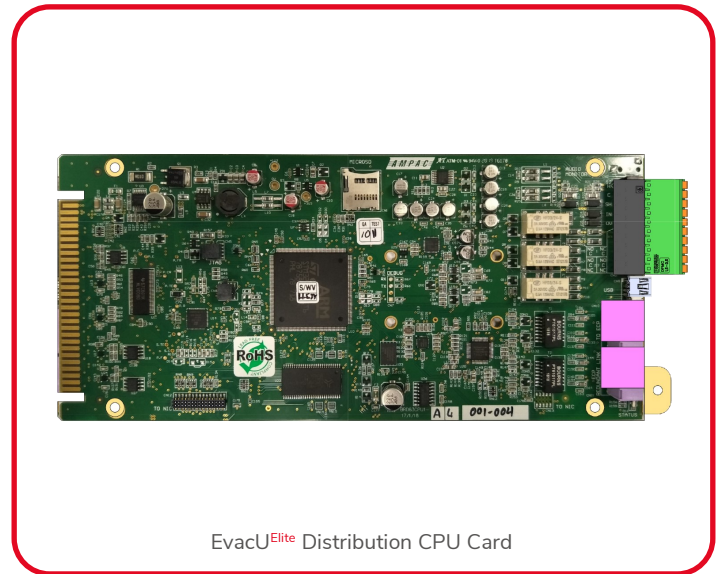
Fire detection and evacuation solutions that save lives.

EvacU^Elite^ Distribution CPU Card (DCPU)

✓ Fits into a dedicated slot within every EvacU^Elite^ Universal Rack Frame (Slot 0).

✓ Mini USB used for programming.

✓ Up to 5 DCPU cards may be installed in a single 24U panel (where 5 universal racks are fitted).

✓ Links to the Graphical User Interface (GUIs) and controls the cards within the Universal Rack Frames.

✓ Provides connections for 2 background music sources. Multiple I/O and RPC connection.

✓ BGM sources can be configured and distributed through individual amplifiers in the panel.

EvacU^Elite^ Distribution CPU Card

Product Overview

Each EvacU^Elite^ Universal Rack has a dedicated slot for the Distribution CPU Card (DCPU).

The DCPU links to the GUIs and controls the cards in the rack frames by issuing commands and routing the required audio down the rack all-purpose back plane.

The DCPU fitted to rack 1 (closest to the power supply) is the main DCPU for the cabinet.

The DCPU provides the following connections:

Audio 1 & 2	Analog line level audio input (hot, cold and shield), 10kΩ impedance, max input +4dBu
Input 1 & 2	Supervised input, selectable EOL, common reference. Max voltage rating 30 V AC
Relay 1	Double pole, single throw (1 x NO, 1 x NC, 2 x COM), 48 V DC/30 V AC, 0.5 A @30 V AC
Relay 2 & 3	Single pole, double throw (COM, NO, NC), 48 V DC/30 V AC, 0.5 A @30 V AC
Mini USB	Used for programming the system
RJ45 1	Provides a CAT5/6 network connection to the front panel GUI
RJ45 2	Redundant CAT 5/6 ethernet connection to the front panel GUI Future Remote Paging Console Connection

Specifications

Relay 1	Double Pole, Single Throw (2xCOM, 1xNO, 1xNC)
Relay 2 & 3	Single Pole, Double Throw (COM, NO, NC)
Relay Rating	Max Voltage 48 V DC / 30 V AC, Max Current 1 A @ 30 V DC, 0.5 A @ 30 V AC
Ethernet	RJ45 - Primary GUI with Proprietary Power & Transformer Isolation RJ 45 - Remote Paging Consoles with Proprietary Power & Transformer Isolation
BGM	2 Channels Available, 10 kΩ Impedance, Max Input +4 dBu
Inputs	2 Monitored
Micro SD	1 Available
Mini USB	Device Connection
Digital Audio Input / Output	MLVDS, 2 x Lanes TDM Bi-Directional, Data Rate 8.192 Mbs Per Lane, Supports 64 Audio Streams at 16 kHz @ 16 bits / 32 Audio Streams at 32 kHz @ 16 bits
Control Signals Input	CAN, and MLVDS @ 12 Mbps
Control Signals Output	MLVDS @ 921.6 kps
No. of Rack Slots	1 (Dedicated)
Current Consumption	96 mA @ 24 V DC (Quiescent)

Item Numbers

6350-DCPU	Distribution CPU Card