Fire detection and evacuation solutions that save lives.

EvacUElite Bosch Praesensa Interface (PAIC)

Features

- PAIC Module fits into Ampac Universal Rack 1
- Consumes one slot
- Integrates EWS Controls to Bosch PA Amplifiers
- CSIRO Active Fire Certificate AFP3852

Ampac System Provides :

- AS4428.16 Controls (EWCIE)
- AS4428.4 EICIE (Emergency Intercom Optional)
- AS7240.4 PSU

- WIP EICIE system connects to Ampac Panel
- Visual Alarm Devices connect to Ampac Panel
- WIPs & VADs are configured on Ampac System

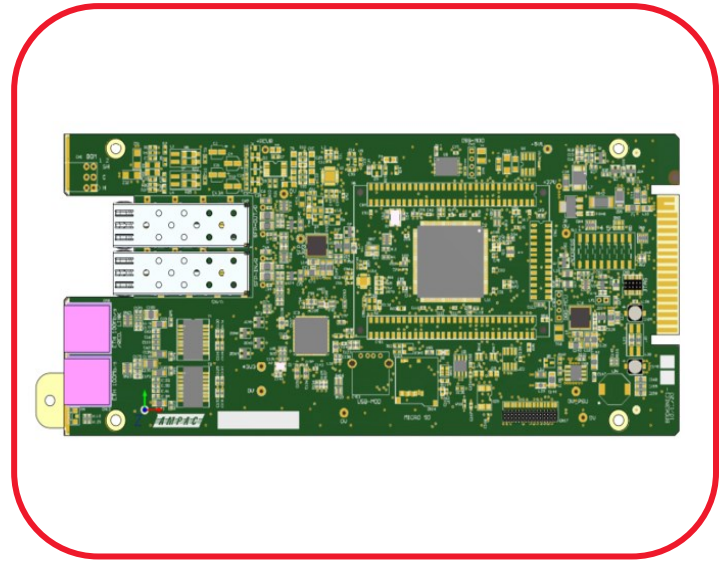*Bosch - Public Address Interface Card*

Description

A Bosch - PAIC module consumes one rack slot in the Ampac EvacUElite primary rack. It is installed in conjunction with a specific Ampac Audio source card which integrates both systems.

The Bosch Praesensa system comprises of various PA system components. Bosch PA system amplifiers connect to Bosch PA speakers. The integrated system uses Bosch desk or wall mounted PA Call stations. The Bosch system controls public address, music sources & routings. PA priority settings etc.

The EvacUElite EWS controls are connected via the PAIC to the Praesensa Rack assembly via an ethernet Cat 5. An audio source connection (DCPU 2.5mm audio jack) is configured on the EvacUElite

The EvacUElite will automatically take control & priority in the event of Fire Panel inputs or Speech announcements made from the Emergency Microphone or use of Manual EWS mode.

Visual devices and Warden intercom systems connect as normal to the Ampac system.

If the Ampac / Bosch systems serve multiple buildings in large complex the system architecture is flexible and can be distributed.

Hardware can be placed and controls configured accordingly to suit the site application.

A single node system interconnection is illustrated on the next page providing a simple overview

If you would like to discuss specific needs with Bosch and Ampac please contact your nearest Ampac sales office

Item Numbers	
6350-PAIC	Bosch Public Address Interface Card
6350-DCPU-B	DCPU Version B (c/w Audio Jack)

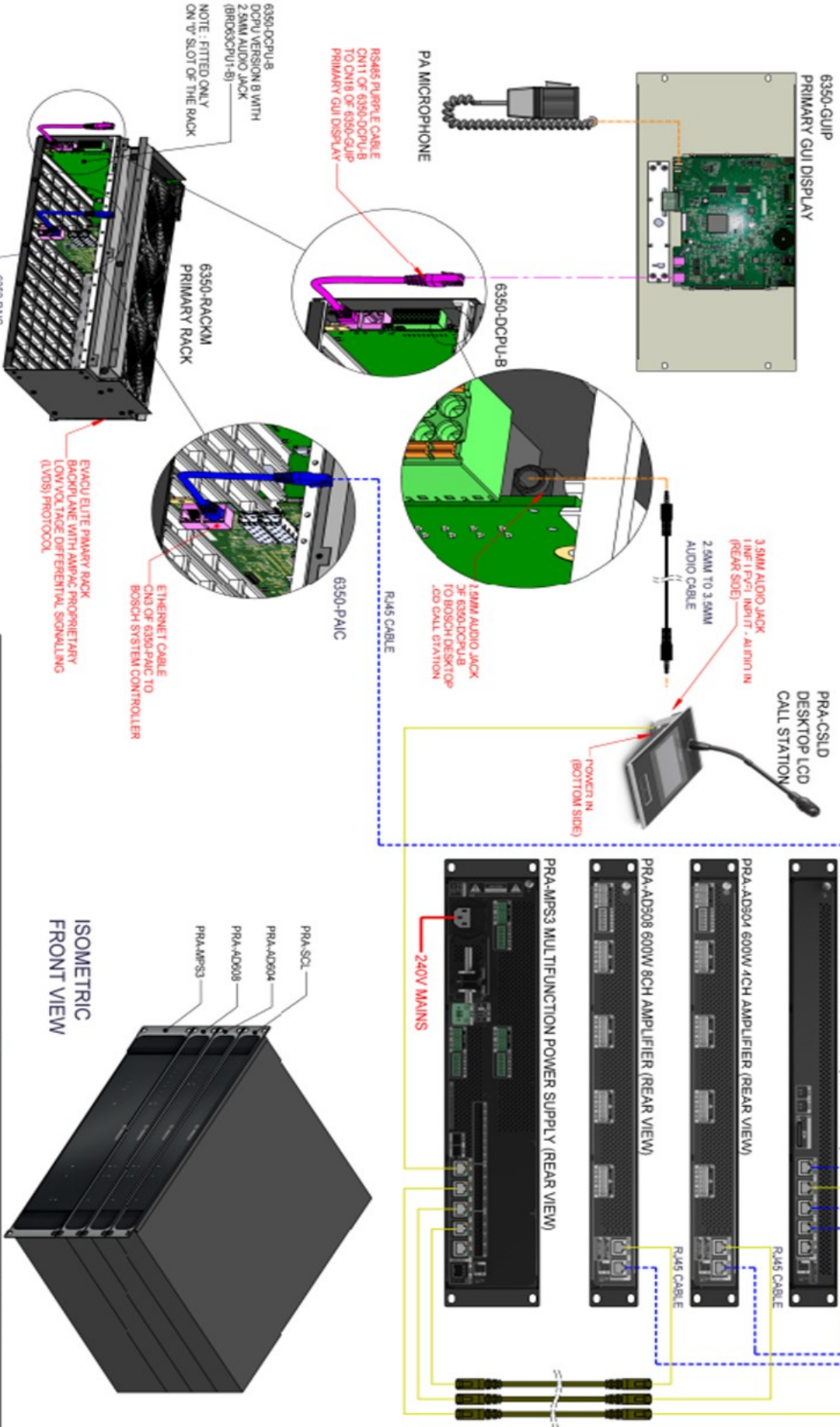| Related Documentation	
MAN3137-5	**EvacUElite** Installation Manual
MAN3142	**EvacUElite** Programming Manual
AFP3852	**CSIRO** ActiveFire Certificate

Fire detection and evacuation solutions that save lives.

AMPAC Confidential ©

AMPAC
EVACU ELITE SYSTEM

BOSCH PRAESENSA
PA & VOICE ALARM SYSTEM

6350-GUIP
PRIMARY GUI DISPLAY

PA MICROPHONE

6350-DCPU-B
DCPU VERSION B WITH
2.5MM AUDIO JACK
(BRD63NC-B)

NOTE : FITTED ONLY
ON 'U' SLOT OF THE RACK

RS485 PURPLE CABLE
CN11 OF 6350-DCPU-B
TO CN18 OF 6350-GUIP
PRIMARY GUI DISPLAY

6350-RACKM
PRIMARY RACK

6350-DCPU-B

6350-PAIC
HLI - PUBLIC INTERFACE CARD
FOR BOSCH PRAESENSA INTERFACE

NOTE: FITTED BETWEEN SLOT 1-16 OF THE RACK

EVACU ELITE PRIMARY RACK
BACKPLANE WITH AMPAC PROPRIETARY
LOW VOLTAGE DIFFERENTIAL SIGNALLING
(LVDS) PROTOCOL

ETHERNET CABLE
CN3 OF 6350-PAIC TO
BOSCH SYSTEM CONTROLLER

6350-PAIC

RJ45 CABLE

2.5MM AUDIO JACK
OF 6350-DCPU-B
TO BOSCH DESKTOP
LCD CALL STATION

3.5MM AUDIO JACK
(INF I PVFI, INPUT - AUDIO IN
(REAR SIDE))

2.5MM TO 3.5MM
AUDIO CABLE

PRA-CSLD
DESKTOP LCD
CALL STATION

POWER IN
(BOTTOM SIDE)

240V MAINS

PRA-MPS3 MULTIFUNCTION POWER SUPPLY (REAR VIEW)

PRA-AD508 600W 8CH AMPLIFIER (REAR VIEW)

PRA-AD504 600W 4CH AMPLIFIER (REAR VIEW)

PRA-SCL SYSTEM CONTROLLER (REAR VIEW)

RJ45 CABLE

RJ45 CABLE

RJ45 CABLE

RJ45 CABLE

ISOMETRIC
FRONT VIEW

PRA-MPS3

PRA-AD608

PRA-AD604

PRA-SCL

AMPAC PART NUMBER
6350-DCPU-B &
6350-PAIC

Revision / Title block

REV	DATE	DRAWN	REVISION HISTORY	ZONE
0	14/08/23	PT	NEW DRAWING RELEASE	

DIMENSIONS IN MILLIMETRES

DRAFTING STANDARD
AS 1100-1992

TOLERANCES
UNLESS OTHERWISE NOTED
WHOLE NUMBERS ±0.5
1 DECIMAL PLACE ±0.2
2 DECIMAL PLACES ±0.1
ANGLES ±0.5°

DRN	DATE	APPD	DATE	SCALE
PT	14/08/23	JR	14/08/23	1:6

AMPAC PTY LTD

EVACU ELITE
6350-DCPU-B & 6350-PAIC
INSTALL GUIDE FOR BOSCH
PRAESENSA SYSTEM

DRAWING No.:
6350-DCPU-B & 6350-PAIC
INSTALL GUIDE

SHEET 1 OF 1

REV 0