

# PRP-IM2C1A Interface Module , 2x2 Control, 1x1 Audio

## PROSPERO



The PRP-IM2C1A is a multi-functional IP module that can be connected to the PROSPERO public address system via a standard IP network for bi-directional audio and control signal transmission. It supports PoE power supply and can be connected to a general-purpose Ethernet switch using a single Category 5 network cable. The back panel provides 1 channel audio input and 1 channel audio output interface for connecting audio source or amplifier, and 2 channel control input and 2 channel control output interface for triggering emergency tasks and linkage control output. Through the screw holes on the shell can be fixed on the cabinet tray, 1U height can be installed side by side 3 IP modules.

### Functionality

- Access to PROSPERO public address system via IP network
- 1 line level audio input for connecting audio sources
- 1 line level audio output for connection to an amplifier
- 2 dry contact control inputs for triggering emergency tasks
- 2 relay control outputs, can be used for emergency task linkage outputs
- Power supply status and fault status indicators
- Fixed to the cabinet tray by screw holes position
- Compact form factor, 1U rack height for 3 modules side by side

### Regulatory Information

#### Declaration of Conformity

Environment	China RoHS
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### Installation/Configuration Instructions

#### Front view:

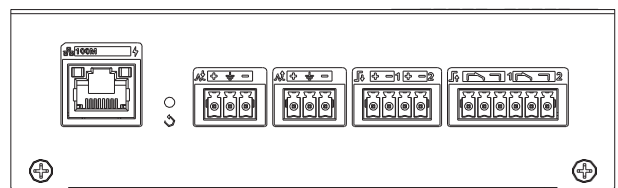


- Transmission of audio and control signals over IP networks
- PoE power supply, one-line direct connection
- Compact form factor, suitable for cabinet tray mounting
- For PROSPERO public address system

#### Front panel indicator:

	yellow flashing light	unauthorized
	Yellow color is always on	equipment failure
	green	Power on

#### Rear view:











#### Rear panel controls:

	Device reset (restores factory default settings)	button
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#### Rear panel interface:

	Network Interface (supports PoE)	
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	Analog Audio Input Connector	
	Analog Audio Output Connector	
	Control input interface 1-2 dry contacts	
	Control output interface 1-2 dry contacts	

**Supplied parts**

quantities	module
1	IP module
1	user manual
1	RoHS Declaration
1	Terminal block (set)

**Technical indicators**

**Electrical parameters**

PoE power supply	
Rated DC input voltage	48 V
Standard	IEEE 802.3af Class 3
power wastage	<5 W

network	
Ethernet	100 BASE-TX
protocols	TCP/IP, UDP, RTP, TFTP, HTTP, HLS
audio encoding	MP3, PCM
connector	1 x RJ45

Analog Audio Input/Output	
frequency response	100 Hz - 18 kHz

Analog Audio Input/Output	
sampling rate	44.1 kHz
type	1 x Line Level Input 1 x Line Level Output
connector	2 x 3-Pin Phoenix Plug
Maximum Input/Output Level	6 dBu
Input ImPRPance	>40 kΩ
Output ImPRPance	<400 Ω

**GPIO control input/output**

Control Input Contacts	
connector	2 x Two Pin Phoenix Plug
principle	Contact closure
Contacts closed	<5 kΩ
Contacts open	>15 kΩ
Control Output Contacts	
connector	2 x 3-Pin Phoenix Plug
principle	Contact switching (relay SPDT)
Maximum contact voltage	30 VDC, 250 VAC
Maximum contact current	1 A

**Mechanical parameters**

material	metal cover
Dimensions (HxWxD)	44 mmx 146 mmx 105 mm
weights	475 g
color	Black (RAL9017)

**Environmental parameters**

operating temperature	-5 °C - 45 °C
storage and transportation temperatures	-40 °C - 70 °C
relative humidity	<95 %

## Ordering Information

### **PRP-IM2C1A Interface Module , 2x2 Control, 1x1 Audio**

IP Module, 2x2 Control Inputs, 2x2 Control Outputs, 1x1  
Audio Input, 1x1 Audio Output, PoE Powered

Order No. **PRP-IM2C1A | F.01U.429.437**

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#### **Vendors.**

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