

PRP-IM1A Interface Module, 1 audio output

PROSPERO



The PRP-IM1A is an audio output IP module that can be connected to the PROSPERO public address system via a standard IP network for audio 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 output interface for connecting to an amplifier. It can be fixed on the cabinet tray through the screw holes on the shell, and 3 IP modules can be installed side by side at 1U height.

Functionality

- Access to PROSPERO public address system via IP network
- 1 line level audio output connector for connection to an amplifier
- 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



Installation/Configuration Instructions

Front view:

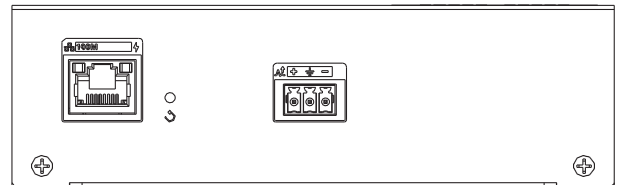


- Transmission of audio signals over IP networks
- PoE power supply, one-line direct connection
- Compact form factor, suitable for cabinet tray mounting
- For PROSPERO public address system


Front panel indicator:

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



Rear view:



Rear panel controls:

	Device reset (restores factory default settings)	button
---	--	--------

Rear panel interface:

	Network Interface (supports PoE)	
---	----------------------------------	---



Analog Audio Output Connector



Supplied parts

quantities	modules
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
protocol	TCP/IP, UDP, RTP, TFTP, HTTP, HLS
audio encoding	MP3, PCM
connector	1 x RJ45

analog audio output	
frequency response	100 Hz - 18 kHz
sampling rate	44.1 kHz
type	1 x Line Level Output
connector	1 x 3-Pin Phoenix Plug
Maximum Output Level	6 dBu

Vendors.

China.
 Bosch (Shanghai) Security Systems Co., Ltd. 8th Floor, Building
 203, No. 333 Fuquan North Road, Hongqiao LinKong Economic
 Park, Changning District, Shanghai, China
 Zip code: 200335
 Tel: +86 21 2218 1111
 Fax: +86 21 2218 2099
www.boschsecurity.com.cn
 Service e-mail: security@cn.bosch.com

analog audio output	
Output ImPRPance	<400 Ω

Mechanical parameters

material	metal cover
Dimensions (HxWxD)	44 mmx 146 mmx 105 mm
weights	465 g
color	Black (RAL 9017)

Environmental parameters

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

Ordering Information

PRP-IM1A Interface Module, 1 audio output
 IP Module, 1x Audio Output, PoE Powered
 Order No. **PRP-IM1A | F.01U.429.438**