

# ACCESSORIES

JIB-4000 | 52229



## Features

- 4th generation IP Intercom Box for customisation options
- Powered via IEEE 802.3af PoE
- Balanced microphone level audio input (configurable for single-ended use)
- Class-D speaker amplifier output, 2.5 W @ 4 ohm
- Built in digital microphone
- 2 external button inputs
- 2 external LED outputs
- 2 changeover relay contacts
- +12 V d.c., 250 mA max output supply
- LED indicators for troubleshooting
- Flexible mounting options

## Specifications

### Audio Characteristics

Max. Speaker Output Level (Class D Bridge mode)	2.5 W RMS into 4 Ω
Output frequency response (-3 dB)	72 Hz – 15.4 kHz
Analogue Mic Input Impedance	6.4 kΩ balanced, 3.2 kΩ single-ended
Max. Analogue Balanced Mic Input Level (AIN +, AIN-)	-20 dBu (220 mV p-p)
Max. Analogue Single-ended Mic Input Level (AIN+, GND)	-20 dBu (220 mV p-p)
Analogue Mic Input frequency response (-3 dB)	15.9 Hz - 15.9 kHz
Audio codecs	Opus, G.711 A-law, G.711 μ-law, G.722, Jacques PCM

### General

Power Input	IEEE 802.3af Class 0 Power over Ethernet (PoE)
Power Consumption	12 W max. (2.4 W standby)
Power Output	12 V d.c., 250 mA
Material	0.8mm (0.03 in) Zincaneal steel, painted matte black finish
Weight	0.25 kg (0.55 lb)
Dimensions (WxHxD)	55 mm x 32 mm x 117 mm (2.17 in x 1.26 in x 4.61 in)
Mounting Options	Wall Mounting DIN Rail Mounting Eurocard Mounting
Operating Temperature	-20°C to 70°C (-4°F to 158°F)
Storage Temperature	-40°C to 85°C (-40°F to 185 °F)
Operating Humidity	(10 – 95) % non-condensing

### Inputs

Number of inputs	2
Logic	Active low (3.3 V CMOS)

### Relays

Number of relays	2
Relay contact type	Changeover (NO, NC, COM)

### Relay contact rating

Max. switching voltage: 60 V d.c., 30 V a.c.\*  
Max. switching current (per output): 2 A  
Max. switching power (per output): 60 W (d.c.), 37.5 VA (a.c.)  
Expected life: min. 10<sup>5</sup> operations (30 V d.c. / 2 A),  
min. 5 × 10<sup>5</sup> operations (30 V d.c. / 1 A)

### External Connections

#### Ethernet / Power

#### Diagnostic Port

#### Audio Output, Speaker Output, and Input

#### 12 V d.c. Power Output

#### LED

#### Relay contacts

1 x RJ45 port for Ethernet data (10/100/1000 Mbit/s) and PoE

1 x Micro AB USB port for factory programming and diagnostics purpose only

1 x 10-way terminal block plug, 3.81 mm pitch

1 x 10-way terminal block plug, 3.81 mm pitch

1 x 3-way terminal block plug, 3.81 mm pitch

1 x 6-way terminal block plug, 3.81 mm pitch

### Cabling

#### Ethernet

#### Relay Contacts

#### Balanced Audio

#### Single Ended Audio

#### Inputs

#### Power output

4 pair UTP CAT-5E/6/6A, Size 23/24 AWG, 100 m (328 ft) max. T568A wiring scheme.

To suit load and cable length, 1.5mm2 gauge max.

Screened cable (single pair), 100 m (328 ft) max.

Screened cable, 10 m (32.8 ft) max.

To suit load and cable length (10 m max), 1.5mm2 gauge max.

To suit load and cable length, 1.5mm2 gauge max.



### Compliance

\* Important: The relay output may only be connected to an ES1 or a SELV circuit  
An ES1 circuit as per IEC/EN/UL 62368-1 or a SEL circuit as per IEC/EN 60950-1 must be separated safely from a dangerous electrical circuit (e.g. 230 V or 110 V mains)  
e.g. by means of double insulation. The ES1 or SELV circuit must not exceed 60 V d.c. or 42.4 VAC\_peak (30 VAC\_eff)