

PA & SPEAKERS

UAI-3B1 | 51196



Features

Universal Audio Interface
Multifunctional device
Interface between Jacques IP Communication System and analogue audio device
650 and 550 system interface (hybrid intercom system)
Public address interface/zone controller
1 channel
Audio in/out
Two relays
Boxed version

Specifications

Audio Characteristics

Microphone200 Hz – 7 kHz (input circuit frequency response ±3 dB)
Max. Audio Input (Balanced)+13 dBu (10 V p-p, max. input level)
Max. Audio Output (Balanced)+13 dBu (10 V p-p, max. output level)
Max. Audio Output (Unbalanced)+7 dBu (5 V p-p, max. output level)
Audio Streaming Bandwidth128 kb/s each way
Input Impedance50 kΩ
Max. Audio Output Load600 Ω
Auxiliary FunctionsRelay contacts (2 x NO/NC)

General

Power Input(12 – 32) V d.c., 24 V d.c. nominal, JPoE
Power Consumption2.4 W max.
IndicatorsPower, +5 V, status, RS485 (TX, RX), LAN link and activity
Operating Temperature(0 - 70)°C (32 - 158)°F
Operating Humidity(10 - 90) % relative humidity (non-condensing)
Form FactorRectangular box
Dimensions (WxHxD)103 mm x 30.5 mm 168 mm (4.05 in x 1.20 in x 6.61 in)
Weight0.35 kg (0.77 lb)
MaterialExtruded aluminium
FinishAnodised, black
EnvironmentIndoor use only
Mounting OptionsMounting bracket, 120 mm (4.7 in) spacing for 2 screws

Compliance

EMCEN55022 Class A

External Connections

CablingEthernet: 4 pair UTP CAT-5/5e/6, 100 m (328 ft) max.
Balanced audio, RS-485 - twisted pairs, CAT-5/5e/6 screen pair cable may be used
Unbalanced audio: screened single core, braided preferable
Relays/Power: 0.75 mm² (0.0011 in²), multi-strand, 100 m (328 ft) max.

ConnectorsLAN/Power: RJ45
Power: 2 way 3.81 mm (0.15 in) combicon screw terminal block
Audio out/in: RS-485, 8 way 3.81 mm (0.15 in) combicon screw terminal block
Relays: 6 way 3.81 mm combicon screw terminal block

Optional Accompanying Products

SVR-100 (used in conjunction with line amplifier)

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Features

- Universal Audio Interface
- Multifunctional device
- Interface between Jacques IP Communication System and analogue audio device
- 650 and 550 system interface (hybrid intercom system)
- Public address interface/zone controller
- 1 channel
- Audio in/out
- Two relays
- Euro card version

Specifications

Audio Characteristics

- Microphone200 Hz – 7 kHz (input circuit frequency response ±3 dB)
- Max. Audio Input (Balanced)+13 dBu (10 V p-p, max. input level)
- Max. Audio Output (Balanced)+13 dBu (10 V p-p, max. output level)
- Max. Audio Output (Unbalanced)+7 dBu (5 V p-p, max. output level)
- Audio Streaming Bandwidth128 kb/s each way
- Input Impedance50 kΩ
- Max. Audio Output Load600 Ω
- Auxiliary FunctionsRelay contacts (2 x NO/NC)

General

- Power Input(12 – 32) V d.c., 24 V d.c. nominal, JPoE
- Power Consumption2.4 W max.
- IndicatorsPower, +5 V, status, RS485 (TX, RX), LAN link and activity
- Operating Temperature(0 - 70)°C (32 - 158)°F
- Operating Humidity(10 - 90) % relative humidity (non-condensing)
- Form Factor3U Eurocard, 12 HP, 160 mm (6.3 in)
- Dimensions (WxHxD)30.5 mm x 129 mm 179 mm (1.20 in x 5.07 in x 7.04 in)
- Weight0.15 kg (0.33 lb)
- MaterialAluminium plate & handle on card front
- FinishPowder coated, magnolia gloss
- EnvironmentIndoor use only
- Mounting OptionsMounting bracket, 120 mm (4.7 in) spacing for 2 screws

Compliance

- EMCEN55022 Class A

External Connections

Cabling

- Ethernet: 4 pair UTP CAT-5/5e/6, 100 m (328 ft) max.
- Balanced audio, RS-485 - twisted pairs, CAT-5/5e/6 screen pair cable may be used
- Unbalanced audio: screened single core, braided preferable
- Relays/Power: 0.75 mm² (0.0011 in²), multi-strand, 100 m (328 ft) max.

Connectors

- LAN/Power: RJ45
- Power: 2 way 3.81 mm (0.15 in) combicon screw terminal block
- Audio out/in: RS-485, 8 way 3.81 mm (0.15 in) combicon screw terminal block
- Relays: 6 way 3.81 mm combicon screw terminal block

Optional Accompanying Products

- SVR-100 (used in conjunction with line amplifier)