



## UNIVERSAL AUDIO INTERFACE UAI-3B1/UAI-3E1

PRODUCT CODE 51196, 51195

### FEATURES

Multifunctional device

- Interface between Jacques IP Communication System and analogue audio device
- 650 and 550 system interface (hybrid intercom system)
- Public address interface

### OPTIONAL ACCOMPANYING PRODUCTS

SVR-100 (used in conjunction with line amplifier)

### SPECIFICATIONS

<b>Microphone</b>	200 Hz – 7 kHz (input circuit frequency response $\pm 3$ dB)
<b>Max. Audio Input (Balanced)</b>	+13 dBu (10 V p-p, max. input level)
<b>Max. Audio Output (Balanced)</b>	+13 dBu (10 V p-p, max. output level)
<b>Max. Audio Output (Unbalanced)</b>	+7 dBu (5 V p-p, max. output level)
<b>Audio Streaming Bandwidth</b>	128 kb/s each way
<b>Input Impedance</b>	50 k $\Omega$
<b>Max. Audio Output Load</b>	600 $\Omega$
<b>Auxiliary Functions</b>	Relay contacts (2 x NO/NC)
<b>Power Input</b>	(12 – 32) V d.c., 24 V d.c. nominal, JPoE
<b>Power Consumption</b>	2.4 W max.
<b>Indicators</b>	Power, +5 V, status, RS485 (TX, RX), LAN link and activity
<b>Cabling</b>	Ethernet: 4 pair UTP CAT-5/5e/6, 100 m 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 mm <sup>2</sup> , multi-strand, 100 m max.
<b>Connectors</b>	LAN/Power: RJ45 Power: 2 way 3.81 mm combicon screw terminal block Audio out/in: RS-485, 8 way 3.81 mm combicon screw terminal block Relays: 6 way 3.81 mm combicon screw terminal block
<b>Operating Temperature</b>	(0 - 70) $^{\circ}$ C
<b>Operating Humidity</b>	(10 - 90) % relative humidity (non-condensing)
<b>Compliance</b>	EMC: EN55022 Class A
<b>Form Factor</b>	Rectangular box (UAI-3B1) 3U Eurocard, 12 HP, 160 mm (UAI-3E1)
<b>Dimensions (WxHxD)</b>	103 mm x 30.5 mm 168 mm (UAI-3B1) 30.5 mm x 129 mm 179 mm (UAI-3E1)
<b>Weight</b>	0.35 kg (UAI-3B1) 0.15 kg (UAI-3E1)
<b>Material</b>	Extruded aluminium (UAI-3B1) Aluminium plate & handle on card front (UAI-3E1)
<b>Finishes</b>	Anodised, black (UAI-3B1) Powder coated, magnolia gloss (UAI-3E1)
<b>Environment</b>	Indoor use only
<b>Mounting Options</b>	Mounting bracket, 120 mm spacing for 2 screws