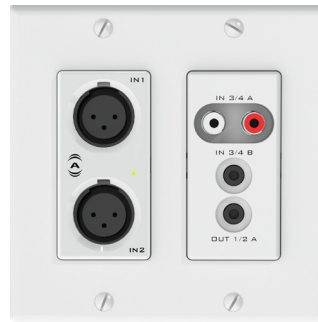## Attero Tech by QSC
unD6IO

Dante™ Networked Audio Wall Plate - 4x2 Multi-IO
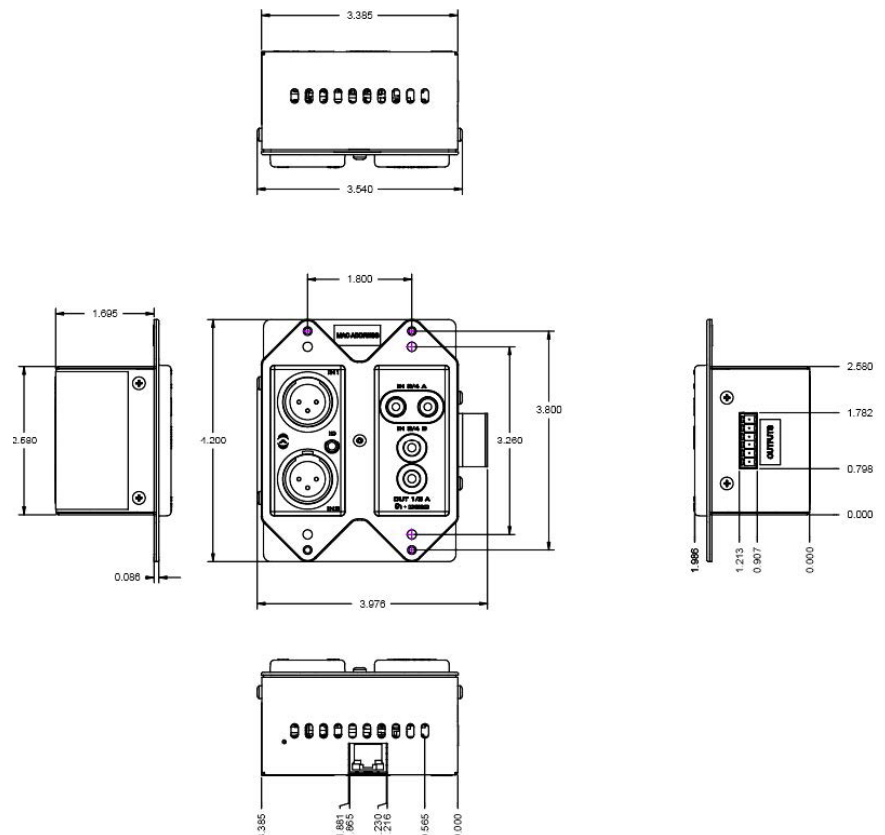
Features

- Dante Domain Manager™ ready

- 2x balanced XLR mic/line inputs, 2x RCA and 1x 3.5 mm input, 1x 3.5 mm output, and 2x balanced outputs on a sidemounted depluggable connector, with software controllable volume

- 802.3af compliant PoE powered to work with any compliant PoE network switch

- 3 gain levels are available on the XLR input to accomodate a wide variety of input levels and devices. Input gain is adjustable via software

- +48 V phantom power - switchable via Q-SYS Ecosystem plugin, unIFY software or other third-party control

- Mono-summed RCA inputs and 3.5 mm input can be selected via software, individually or in combination, as an audio flow

- Product accessory kit available

Applications: Hotel Ballrooms • Spas • Fitness Facilities Convention Centers · Education · Conference Center

The unD6IO Dante™ Audio Interface is a cost-effective multi-IO wall plate. The unD6IO features two balanced mic/line XLR inputs, and two balanced outputs on side panel de-pluggable connectors. Two RCA line level inputs and a 3.5mm TRS line level input complete the available inputs. A 3.5mm TRS line level output is also included. The unD6IO is designed to fit into most dual-gang US junction boxes and is PoE enabled, so all connectivity (power, control and audio data) is provided by a single CAT-5e/6 cable. The unD6IO's size and I/O density make it easy to put Dante connectivity wherever it's needed - near the audio source or sink - thereby eliminating costly and interference-prone analog wiring.

Dimensions:

unD6IO Details

Audio Inputs

Input types	2x XLR (balanced and RF filtered inputs), inputs 2/4 2x stereo unbalanced RCAInputs, Inputs 3/4 A Stereo Unbalanced TRS 3.5 mm inputs, Inputs 3/4 B
Gain	-18 dB, -3 dB, +25 dB and +40 dB, software selectable (Inputs 1/2)
Input impedance	>1.8 kΩ at any gain (Inputs 1/2) >10 kΩ (Inputs 3/4 A & B)
Maximum input levels	+20 dBu @ -18 dB gain, +6 dBu @ - 3 dB gain, -23 dBu @ +25 dB gain -38 dBu @ +40 dB gain (Inputs 1/2) +12 dBu (Inputs 3/4 A & B)
Phantom power	+48V, software selectable (Inputs 1/2 only)

Audio Input Performance

EIN	-115 dBu (mic Inputs 1/2)
THD+N	< 0.02% @ 1 kHz for all gain settings, input signal 3 dB below maximum (mic inputs 1/2) <0.01% (Line Inputs 3/4)
Frequency response	20 Hz – 20 kHz, +/- 1dB (-18 and – 3 dB gain on Inputs 1/2) 50 Hz – 20 kHz +/- 1dB (+25 dB and +40 dB gain on Inputs 1/2) 20 Hz – 20 kHz, +/- 1 dB (Inputs 3/4 A & B)
Maximum input levels	0.250 ms minimum

Audio Outputs

Output type	Two balanced line level with automatic muting on loss of Dante signal on 6-pin Depluggable Phoenix (Outputs 1/2 B) Two unbalanced line level outputs on stereo 3.5 mm TRS (Outputs 1/2 A)
Attenuation range	Software controlled volume (0 to -60 dB, 1 dB increments)
Output impedance	200 Ω balanced, 100 Ω unbalanced
Maximum output levels	+12 dBu at 0 dB attenuation (output 1/2 A) +20 dBu at 0 dB attenuation (output 1/2 B)

Audio Output Performance

Output type	Two balanced line level with automatic muting on loss of Dante signal on 6-pin Depluggable Phoenix (outputs 1/2 B) Two unbalanced line level outputs on stereo 3.5mm TRS (outputs 1/2 A)
Attenuation range	Software controlled volume (0 to -60 dB, 1 dB increments)
Output impedance	200 Ω balanced, 100 Ω unbalanced
Maximum output levels	+12 dBu at 0 dB attenuation (output 1/2 A) +20 dBu at 0 dB attenuation (output 1/2 B)

Dante Network

Physical level	Standard Ethernet
Connector	Single RJ-45
Cable type	CAT-5e or better
Transmisssion speed	100 Mbps
Supported sample rates	44.1 kHz, 48 kHz
Minimum Dante™ network latency	1 ms

General

Dimensions (HWD)	dual-gang, in-wall form factor 4.2 x 3.5 x 2 in (114.3 x 88.9 x 50.8 mm)
Weight	0.6 lb (.27 kg)
Operating temperature	0 to 40° C
Regulatory compliance	FCC CFR 47 Parts 15B Class A ICES-003 CE (EN55022) RoHS REACH

Environmental

Power	802.3af PoE
Power consumption	<5.5 W

QSC

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