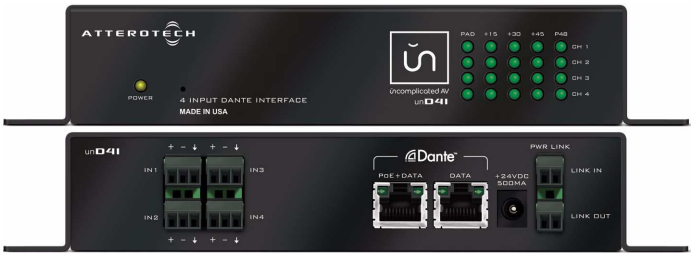
unD4I

DANTE 4 INPUT INTERFACE

The unD4I four input Dante interface is the ideal interface for adding mic/line inputs to a Dante system. The small form factor to the unD4I allows them to be mounted almost anywhere, putting them close to audio sources and minimizing interference-prone analog wiring. The unD4I features four balanced mic/line inputs, each with software selectable +48V phantom power and 8 gain levels. Front panel indicators show each channel's gain and phantom power status for easy troubleshooting. The unD4I has two network connections to allow Dante Daisy Chaining. Dante Daisy Chaining further simplifies system infrastructure wiring by allowing multiple unD4Is to use a single CAT 5 home run connection to a network switch. Power can also be daisy chained. The unD4I is powered by either external +24VDC or any PoE network switch. All adjustable parameters, like mic/line gain and phantom power, are software controlled.



FEATURES AND BENEFITS

- 4 balanced and RF filtered mic/line inputs on 3-pin depluggable connectors
- 8 mic/line gains to accommodate any analog input level. Gain is individually adjustable per channel via software
- 802.3af compliant PoE powered to work with any compliant PoE network switch, or an external +24VDC supply
- +48V Phantom power - powers virtually all types of phantom powered microphones typically used in installed AV systems. Phantom power is switchable per channel via software
- ID LED allows easy identification of the unD4I with which Attero Tech's Unify software is communicating
- Dante Daisy Chaining allows multiple unD4Is to be connected over a single home-run to the Ethernet switch

APPLICATIONS

Convenient, easy to mount inputs for:

Hotel ballrooms

Conference/meeting centers

Conference rooms

Sports facilities

Convention centers

Houses of Worship

ABOUT ATTERO TECH

Attero Tech is a leading provider of both Dante and CobraNet® audio interfaces. These innovative networked audio products make it cost effective for audio installations to include high performance networking. Attero Tech is headquartered in Fort Wayne, Indiana. Contact us at:

260.496.9668 www.atterotech.com

unD4I Front and Rear Panel Description

Front Panel:

Gain and Phantom Power Status LEDs - Shows the gain/pad setting and phantom power status for each of the four input channels.

Power/ID LED - Indicates power the unit is on, and blinks in response to a software command for unit identification.

Rear Panel:

Mic/Line Inputs 1-4 - Balanced and RF filtered inputs. Gains of 0dB, +15dB, +30dB, +45dB (without the Pad), and -12dB, +3dB, +18dB, and +33dB (with the Pad) are selectable via software. +48V phantom power is also selectable via software.

RJ-45 Ethernet Connectors - The left RJ-45 connects to an Ethernet switch (PoE or non-PoE) and also provides the DDC input for daisy chained units. The right RJ-45 provides DDC out to daisy chained units.

+24VDC Input - Allows the unD4I to be powered if a PoE Ethernet switch is not used.

Power Link In/Out - Allows DC power to be daisy chained between multiple units.

SPECIFICATIONS

Mic/Line Input Type: Balanced and RF filtered

Phantom Power: +48V, software selectable

Mic/Line Gain: 0dB, +15dB, +30dB, and +45dB, all software selectable. 12dB pad, software selectable

Input Impedance: >1.8K ohms at any gain setting

Equivalent Input Noise: -115dBu (+45dB gain)

Maximum Input Levels: +8dBu @ 0dB gain, -7dBu @ +15dB gain, -22dBu @ +30dB gain, and -37dBu @ +45dB gain without 12dB pad. With 12dB pad, maximum input levels are 12dB higher

System THD: <.02% at any gain, input signal 3dB below maximum

Frequency Response: 20Hz - 20kHz, +/-1dB

PoE Class: Class 0 802.3af PoE PD compliant

Certifications: FCC Part 15 Class A, CE (EN 55022 Class A)

Dimensions: 8.32” W x 1.50” H x 4.74”

Operating Temperature: 0 ^{O}C - 40 ^{O}C

ARCHITECTS & ENGINEERS SPECS

The Dante interface unit shall provide four mic/line analog inputs on the rear panel via 3-pin depluggable connectors. Selectable gains of 0dB, +15dB, +30dB, and +45dB, and +48V phantom power option shall be provided via software for each input. The unit shall provide a 12dB pad on each input, software selectable. The unit shall provide front panel status LEDs to indicate gain, pad, and phantom power settings. The unit shall provide two RJ-45 network connectors to allow Dante Daisy Chaining (DDC) of multiple units. The internal analog to digital signal conversion shall be performed at 24-bit resolution with a sampling frequency of 48 kHz. The Dante interface unit shall receive power over the Ethernet cable from an 802.3af PoE compliant network switch or from an external +24VDC power supply.

The Dante interface shall be compatible with Attero Tech Unify software for flexible control and monitoring in system applications. The Dante interface shall be compliant with the RoHS directive. The Dante interface unit shall be compliant with the EMI/EMC requirements for FCC and CE.

The Dante interface shall be the Attero Tech unD4I.