

Overview

The table array microphone is a low-profile tabletop microphone that shall deliver up to five channels (4 independent transmit channels, and 1 automatic mixing transmit channel) of Dante™ digital audio over a single network cable. Ideal for conferencing applications, the microphone shall have 4 independent channels, each with a selectable polar configuration. It shall include a toroid polar pattern, which provides 360° coverage, while rejecting sound from directly above the microphone to reduce noise caused by HVAC systems or video projectors. The microphone shall provide built-in IntelliMix® digital signal processing to deliver steerable coverage™, automatic mixing, and equalization. The browser-based control software shall give installers and system administrators control of the microphone settings and digital signal processing from any computer on the network.

Specifications

All specifications measured from cardioid polar pattern. Values for all patterns are within ± 3 dB of these specifications unless otherwise noted.

Polar Pattern

All channels independently adjustable

Cardioid, Hypercardioid, Supercardioid, Toroid, Omnidirectional, Bidirectional

Connector Type

RJ45

Power Requirements

Power over Ethernet (PoE), Class 0

Power Consumption

4W, maximum

Weight

362 g (0.8 lbs)

Dimensions

H x W x D

3.6 x 13.4 x 13.4 cm (1.4 x 5.3 x 5.3 in.)

Control Application

HTML5 Browser-based

Operating Temperature Range

-6.7°C (20°F) to 40°C (104°F)

Storage Temperature Range

-29°C (-20°F) to 74°C (165°F)

Audio

Frequency Response

100 to 20,000 Hz

Dante Digital Output

Channel Count	5 total channels (4 independent transmit channels, 1 IntelliMix® Automatic mixing transmit channel)
Sampling Rate	48 kHz
Bit Depth	24

Sensitivity

at 1 kHz, -15 dB Gain Setting

-21 dBFS/Pa

Maximum SPL

1 kHz at 1% THD, -15 dB Gain Setting

115.2 dB SPL

Signal-To-Noise Ratio

Ref. 94 dB SPL at 1 kHz, -15 dB Gain Setting

Cardioid	75 dB
Toroid	67 dB

Latency

Not including Dante latency

<1 ms

Self Noise

-15 dB Gain Setting

Cardioid	19.2 dB SPL-A
Toroid	26.8 dB SPL-A

Dynamic Range

-15 dB Gain Setting

Cardioid	96 dB
Toroid	90 dB SPL

Built-in Digital Signal Processing

Per Channel	Equalizer (4-band Parametric) [2], Mute, Gain (140 dB range)
System	IntelliMix Automatic mixing, Low-Cut Filter (-12 dB/octave @150 Hz)

[1] 1 Pa=94 dB SPL

[2] Assignable to one channel at a time

Networking

Cable Requirements

Cat 5e or higher (shielded cable recommended)

