



# MXA310

MXA310 | Microflex<sup>®</sup>Advance<sup>™</sup> Table Array  
Microphone Architect Specifications

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# MXA310

## MXA310 | Microflex<sup>®</sup>Advance<sup>™</sup> Table Array Microphone Architect Specifications

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### Overview

The table array microphone is a low-profile tabletop microphone that shall deliver up to 5 channels (4 independent transmit channels, and 1 automatic mixing transmit channel) of Dante<sup>™</sup> 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 digital signal processing to deliver steerable coverage<sup>™</sup>, 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.

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### Optional Accessories and Replacement Parts

<b>Cable-exit plug (black)</b>	65A29429
<b>Cable-exit plug (white)</b>	65B29429
<b>Cable-exit plug (silver)</b>	65C29429
<b>Mounting tube wing nut</b>	65A27351
<b>Mounting tube</b>	31A2165
<b>Rubber Isolation Ring</b>	66A405
<b>Nylon cable ties (4)</b>	80A583
<b>Flush mounting tray kit (aluminum)</b>	A310AL-FM
<b>Flush mounting tray kit (black)</b>	A310B-FM

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### Specifications

*All specifications measured from cardioid polar pattern. Values for all patterns are within  $\pm 3$  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

<b>Channel Count</b>	5 total channels (4 independent transmit channels, 1 Automatic mixing transmit channel)
<b>Sampling Rate</b>	48 kHz
<b>Bit Depth</b>	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*

<b>Cardioid</b>	75 dB
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<b>Toroid</b>	67 dB
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## Latency

*Not including Dante latency*

<1 ms

## Self Noise

*-15 dB Gain Setting*

<b>Cardioid</b>	19.2 dB SPL-A
<b>Toroid</b>	26.8 dB SPL-A

## Dynamic Range

*-15 dB Gain Setting*

<b>Cardioid</b>	96 dB
<b>Toroid</b>	90 dB SPL

## Built-in Digital Signal Processing

<b>Per Channel</b>	Equalizer (4-band Parametric) , Mute, Gain (140 dB range)
<b>System</b>	Automatic mixing, Low-Cut Filter (-12 dB/octave @150 Hz)

## Networking

### Cable Requirements

Cat 5e or higher (shielded cable recommended)