



MXA310

MXA310 | Microflex[®]Advance[™] Table Array
Microphone Architect Specifications

Table of Contents

MXA310MXA310 Microflex®Advance™ Table Array Microphone Architect Specifications	3	Optional Accessories and Replacement Parts	3
Overview	3	Specifications	3

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MXA310 | Microflex[®]Advance[™] Table Array Microphone Architect Specifications

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[™] 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[™], 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.

Optional Accessories and Replacement Parts

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

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 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
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Toroid	67 dB
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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) , Mute, Gain (140 dB range)
System	Automatic mixing, Low-Cut Filter (-12 dB/octave @150 Hz)

Networking

Cable Requirements

Cat 5e or higher (shielded cable recommended)