Overview

The ceiling array microphone shall consist of eight highly directional pickup lobes to capture individual talkers and deliver discrete audio signals over a single network cable. It shall support 10 total channels (8 independent transmit channels, 1 automatic mixing transmit channel, and 1 echo reduction reference receive channel). The microphone shall provide built-in IntelliMix® digital signal processing to deliver steerable coverage™, echo reduction, automatic mixing, and equalization. Audio routing shall be controlled through a computer on the Dante™ network. Browser-based control software shall provide the ability to aim individual lobes based on participant seating, and control digital signal processing from any computer on the network. Pickup lobe width shall be selectable, with narrow, medium, and wide settings. Mounting options shall include ceiling tile, suspension mounting, and VESA mounting options.

Model Variations

Model	Ceiling Grid Size	Color
MXA910B	2 x 2 ft (60.9 x 60.9 cm)	Black
MXA910W	2 x 2 ft (60.9 x 60.9 cm)	White
MXA910AL	2 x 2 ft (60.9 x 60.9 cm)	Aluminum
MXA910B-60CM	60 x 60 cm (23.6 x 23.6 in)	Black
MXA910W-60CM	60 x 60 cm (23.6 x 23.6 in)	White
MXA910AL-60CM	60 x 60 cm (23.6 x 23.6 in)	Aluminum
A910-25MM (Adapter)	25 mm expander fits onto 60 cm model, for 62.5 x 62.5 cm installation	---
A910-JB (Junction box accessory)	---	---

Note: see product specifications for array microphone dimensions.

Specifications

All specifications measured from narrow beam width. Values for all widths are within ± 3 dB of these specifications unless otherwise noted.

Beam Width

Adjustable	Narrow	35 degrees
	Medium	45 degrees
	Wide	55 degrees

Connector Type
RJ45

Power Requirements
Power over Ethernet (PoE), Class 0

Power Consumption
9W, maximum

Weight
4.26 kg (9.4 lbs)

Product Dimensions

MXA910xx	603.8 x 603.8 mm (23.77 x 23.77 in.)
MXA910xx-60CM	593.8 x 593.8 mm (23.38 x 23.38 in.)
A910-25MM	619.7 x 619.7 mm (24.4 x 24.4 in.)

Note: the adapter accessory converts the 600 mm model to fit into a 625 x 625 mm ceiling grid.

Control Application
HTML5 Browser-based

Plenum Rating
Requires Fyrewrap® fire protective wrap system (Included)
UL 2043 (Suitable for Air Handling Spaces)

Dust Protection
IEC 60529 IP5X Dust Protected

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)

Networking

Cable Requirements
Cat 5e or higher (shielded cable recommended)

Audio

Frequency Response
180 to 17,000 Hz

Dante Digital Output

Channel Count	9 total channels (8 independent transmit channels, 1 IntelliMix® Automatic mixing transmit channel)
Sampling Rate	48 kHz
Bit Depth	24

Sensitivity
at 1 kHz
0.75 dBFS/Pa

Maximum SPL
Relative to 0 dBFS overload
93.25 dB SPL

Signal-To-Noise Ratio
Ref. 94 dB SPL at 1 kHz
83 dB A-weighted

Latency
Not including Dante latency
6 ms

Self Noise
11 dB SPL-A

Dynamic Range
82.25 dB

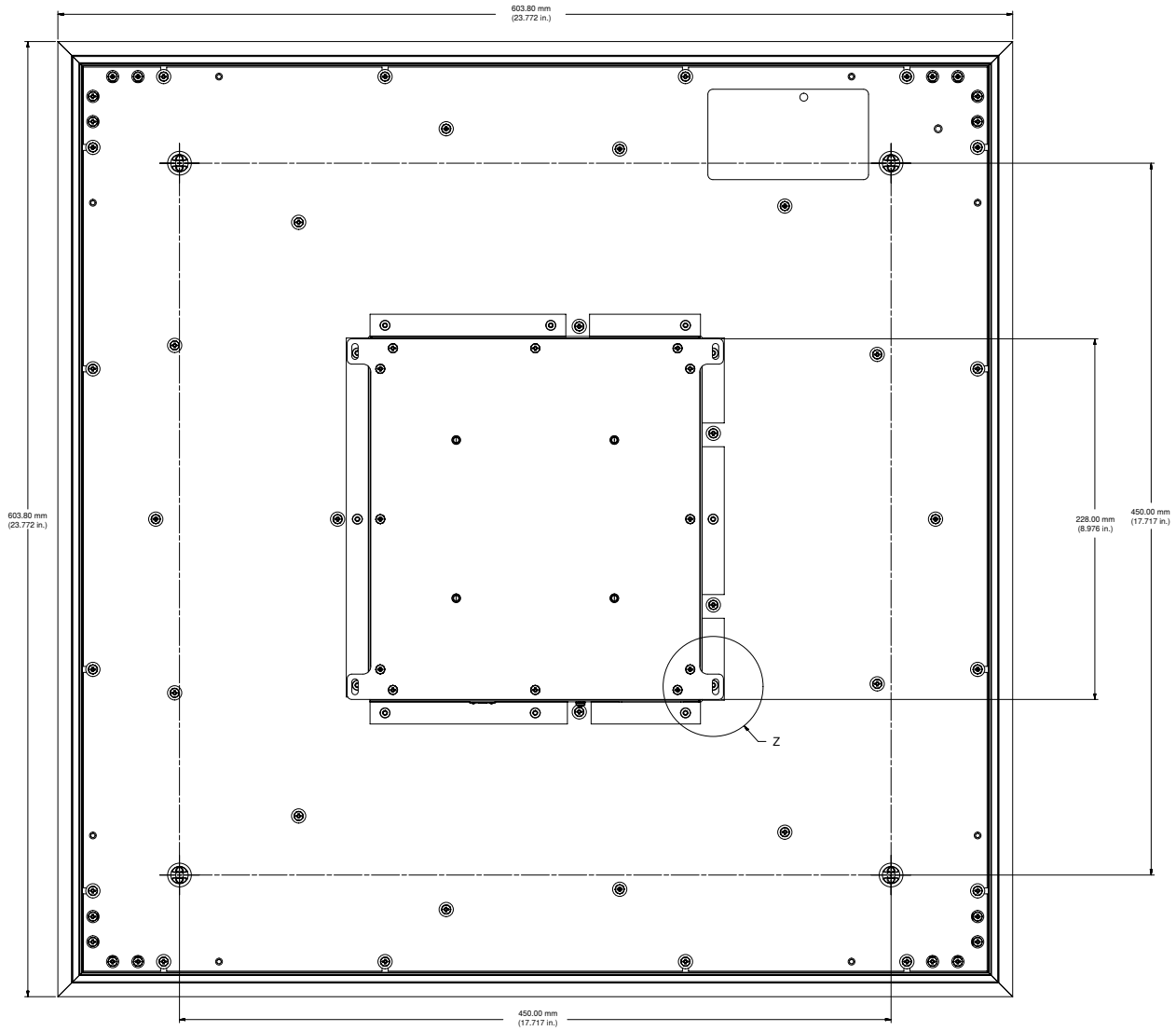
Built-in Digital Signal Processing

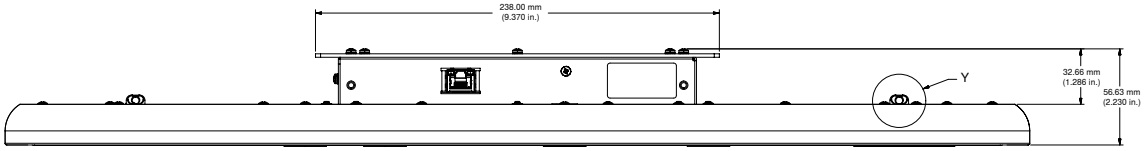
Per Channel	Equalizer (4-band Parametric), Mute, Gain (140 dB range)
System	IntelliMix® Automatic mixing, Echo Reduction

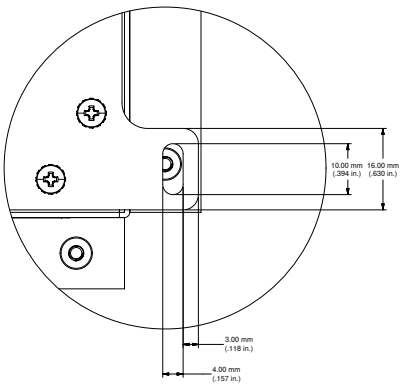
Intelligibility Scale
Equivalent acoustic performance, compared to a cardioid gooseneck microphone (environment dependent)
Cardioid distance multiplied by 1.6

[1] 1 Pa=94 dB SPL

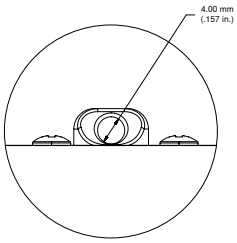
Model: MXA910





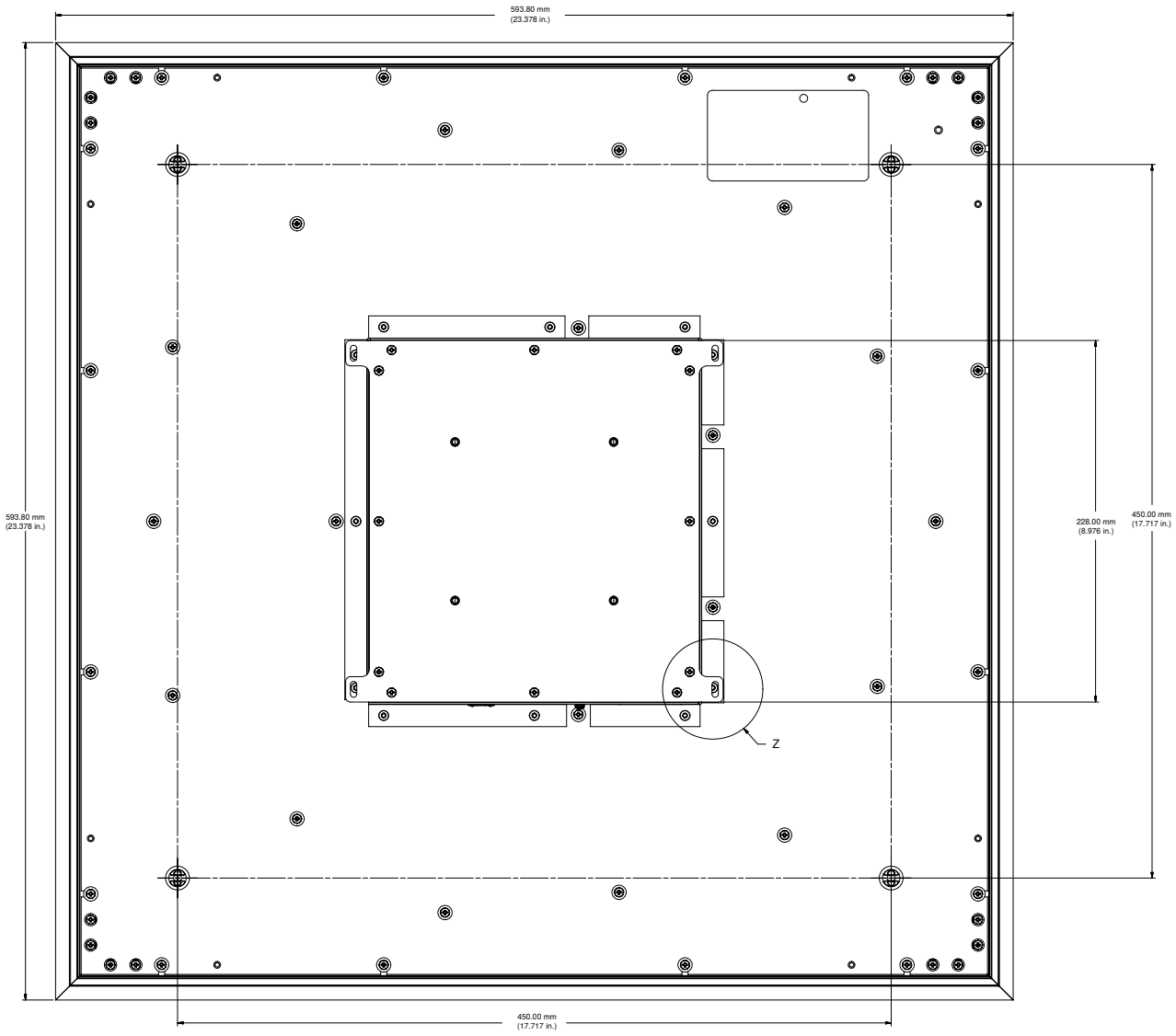


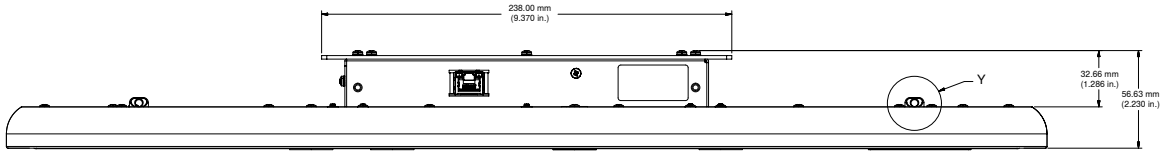
DETAIL Z
SCALE 3:1

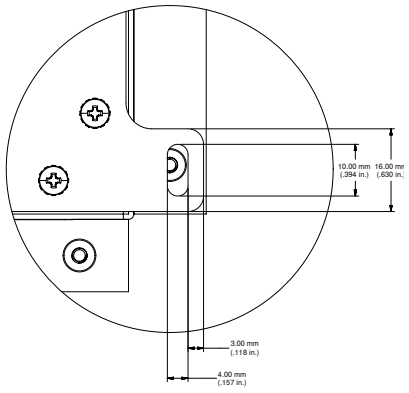


DETAIL Y
SCALE 4:1

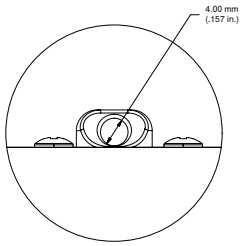
Model: MXA910-60CM





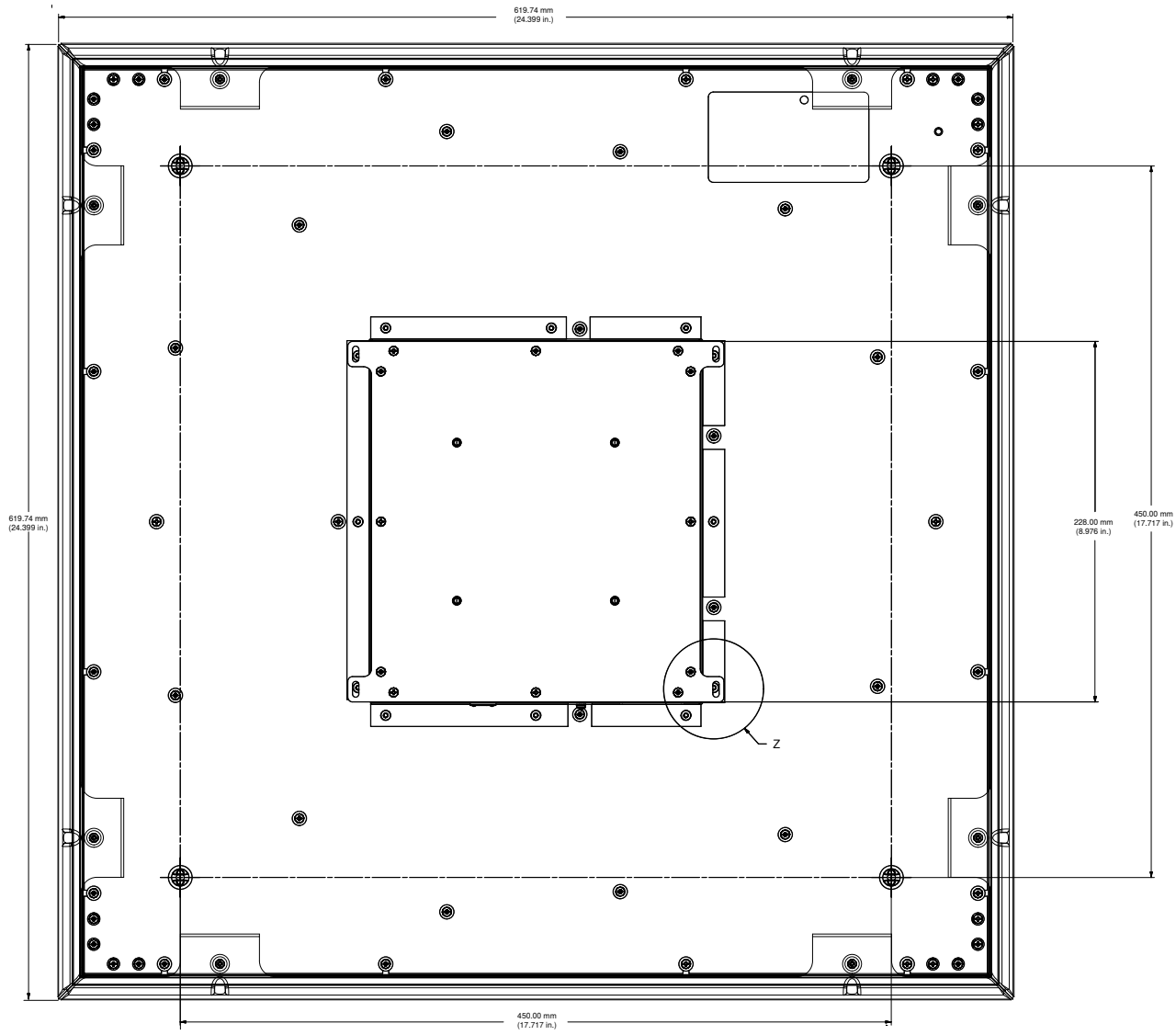


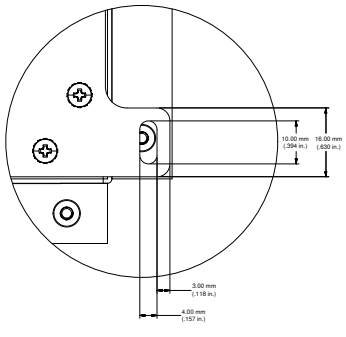
DETAIL Z
SCALE 3:1



DETAIL Y
SCALE 4:1

Model: MXA910-60CM with A910-25MM





DETAIL Z
SCALE 3:1