Overview
The table array microphone is a low-profile tabletop microphone that shall deliver up to five channels (4 independent transmit channels, and 1 IntelliMix™ 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. Built-in digital signal processing, including equalization, muting, and a channel of auto-mixing powered by IntelliMix™ shall provide simple customization options to deliver clear, intelligible audio. The browser-based control software shall give installers and system administrators control of the microphone settings and digital signal processing from a computer or mobile device.

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**

<table>
<thead>
<tr>
<th>Channel Count</th>
<th>5 total channels (4 independent transmit channels, 1 IntelliMix® Automatic mixing transmit channel)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sampling Rate</td>
<td>48 kHz</td>
</tr>
<tr>
<td>Bit Depth</td>
<td>24</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Pattern</th>
<th>SPL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardioid</td>
<td>75 dB</td>
</tr>
<tr>
<td>Toroid</td>
<td>67 dB</td>
</tr>
</tbody>
</table>

**Latency**
- Not including Dante latency
  - <1 ms

**Self Noise**
- -15 dB Gain Setting

<table>
<thead>
<tr>
<th>Pattern</th>
<th>SPL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardioid</td>
<td>19.2 dB SPL-A</td>
</tr>
<tr>
<td>Toroid</td>
<td>26.8 dB SPL-A</td>
</tr>
</tbody>
</table>

**Dynamic Range**
- -15 dB Gain Setting

<table>
<thead>
<tr>
<th>Pattern</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardioid</td>
<td>96 dB</td>
</tr>
<tr>
<td>Toroid</td>
<td>90 dB SPL</td>
</tr>
</tbody>
</table>

**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)