The BMA CT is a patented ceiling tile beamforming mic array that blends in perfectly with today's drop ceilings.

Built in acoustic echo cancellation, noise cancellation, and beam selection eliminate the need for per-beam processing in a DSP mixer — requiring fewer DSP mixer resources.

Built in 2x10 Watt into 8-ohm power amplifier conveniently drives loudspeakers.

**Convenient Ceiling-Tile Form Factor**
- Drops easily into standard ceiling-tile grid systems
- Integrated features significantly reduce system design complexity
- Simple installation
- Consumes less rack space
- Lower cost
- Three sizes available to fit US and international ceiling-grid tile sizes

**Advanced Audio Processing**
- Most advanced Acoustic Echo Cancellation
- Noise Cancellation
- Adaptive steering (think of it as smart switching) — no need to adjust individual beams
- Advanced gating with adaptive ambient for seamless combining of multiple BMA CT units
- Replaces 9 to 12 traditional microphones

**Flexible, Scalable, and Cost-Effective**
- Built-in processing eliminates the need for per-beam processing in a DSP mixer — requiring fewer DSP mixer resources
- Daisy-chain ceiling tiles via P-Link for larger conference set-ups — for simpler wiring and longer distances compared to networked “home run” connections
- Daisy-chain P-Link devices such as the DIALOG® 20 Wireless Mic System
- Long distance P-Link mode allows 650 ft (200 m) between tiles for a total cable reach of 1950 ft (600 m)
- Single cable for power, audio, and control
- Zero consumption of DSP mixer analog inputs

**Configuration & Management**
- Pro CONSOLE® software
- Auto-discovery of devices
- System monitoring and troubleshooting

**APPLICATIONS**
- Boardrooms
- Conference Rooms
- Large Lecture Halls
- Training Centers
- Courtrooms
- Telemedicine Facilities
- Houses of Worship
Connection Diagrams

BMA CT I/O CONNECTIONS

Connection Diagrams

3 x BMA-CT

6 x Ceiling Loudspeakers

When using loudspeakers each BMA needs a PoE supply.

CONVERGE Pro 2 48V

P-Link carries up to 16x16 audio channels

Operating Modes

Standard Mode
**P-Link Peripheral Bus**
- **P-Link In & Out**: Proprietary Network
- **Ports Type**: RJ45
- **Cable**: Cat5e, Cat6, Expandable
- **Distance**: Up to 650 ft.
- **Daisy-Chain**: Up to 3 Array units and additional P-Link compatible devices with each supported CONVERGE Pro 2 unit in the same chain
- **Up to 6 Array units in the same chain with 2 supported CONVERGE Pro 2 units connected through C-Link**

**Long Distance P-Link**: Increases P-Link distance from 200 ft. to 650 ft.; (200M) max cable distance between any two units; Cat6, 550 MHz, 23 AWG, solid conductor cable; Do not use Copper Clad Aluminum (CCA) cable

**Power Selection Switch**
- **Type**: Slide Switch
- **Slide toward P-Link**: to power device by P-Link
- **Slide toward PoE**: to power device by PoE Injector or Dante PoE

**Configuration & Administration Software**
- CONVERGE® CONSOLE® Software

**Mounting**
- **Ceiling mount**: 24" or 600 mm drop-ceiling grid

**Power & Thermal**
- **Power Type**: PoE
- **Port Type**: RJ45
- **Power Source**: PoE Injector or equivalent
- **PoE**: IEEE 802.3at compliant devices providing 56V and 640 mA (36 W).
- **P-Link In - Mode B**: PoE In - Mode A and Mode B
- **Notch PEQ**
- **“BMA CT requires its own PoE (IEEE 802.3 at compliant) if 2x10W speakers are driven**

**Power Consumption**
- **100-240VAC, 50/60Hz**
- **9.1 Watt Typical without speaker amp**
- **38W at max power 1kHz (2 x 10W)**
- **Thermal**: 130 BTU/Hr at max power
- **Operating Temperature**: 14° F/-10° C to 104° F/40° C ambient temperature

**Dimension & Weight (WxHxD)**
- **24" BMA CT**: 23.72 x 23.72 x 2.13" (602.5 x 602.5 x 54.1 mm)
- **600 mm BMA CT**: 23.33 x 23.33 x 2.13" (592.5 x 592.5 x 54.1 mm)
- **Unit Weight**: 77lbs (3.5kg)
- **Shipping Weight**: 11.5lbs (5.2kg)

**Part Numbers**
- **910-3200-205**: 24" White BMA CT
- **910-3200-205-T**: 600 mm White BMA CT

**Supported CONVERGE Pro 2**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product</th>
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<tbody>
<tr>
<td>910-3200-001</td>
<td>CONVERGE Pro 2 128</td>
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<tr>
<td>910-3200-001-D</td>
<td>CONVERGE Pro 2 128D</td>
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<tr>
<td>910-3200-002</td>
<td>CONVERGE Pro 2 128T</td>
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<tr>
<td>910-3200-002-D</td>
<td>CONVERGE Pro 2 128TD</td>
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<td>910-3200-003</td>
<td>CONVERGE Pro 2 128V</td>
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<td>910-3200-003-D</td>
<td>CONVERGE Pro 2 128VD</td>
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<td>910-3200-005</td>
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<td>910-3200-006</td>
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<td>910-3200-008-D</td>
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<td>910-3200-004</td>
<td>CONVERGE Pro 2 120</td>
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**Accessories**

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<tr>
<th>Part Number</th>
<th>Product</th>
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<tbody>
<tr>
<td>910-3200-202</td>
<td>PoE Power supply kit for BMA CT and BMA CTD</td>
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<tr>
<td>910-3200-204-60</td>
<td>50 ft RJ45 CAT6 Cable</td>
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<tr>
<td>910-3200-204-100</td>
<td>100 ft RJ45 CAT6 Cable</td>
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<tr>
<td>910-3200-204-150</td>
<td>150 ft RJ45 CAT6 Cable</td>
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<tr>
<td>910-3200-204-200</td>
<td>200 ft RJ45 CAT6 Cable</td>
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<tr>
<td>910-3200-205-01</td>
<td>Brackets to convert 600 to 625 mm</td>
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**SALES AND INQUIRIES**

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<tr>
<th>Headquarters</th>
<th>US &amp; Canada</th>
<th>International</th>
<th>Sales</th>
<th>TechSupport</th>
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<tbody>
<tr>
<td>5225 Wiley Post Way Suite 500</td>
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<td>Tel: 801.975.7200 <a href="mailto:sales@clearone.com">sales@clearone.com</a></td>
<td>Tel: 801.974.3760 <a href="mailto:tech.support@clearone.com">tech.support@clearone.com</a></td>
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<td>Salt Lake City, UT 84116</td>
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