



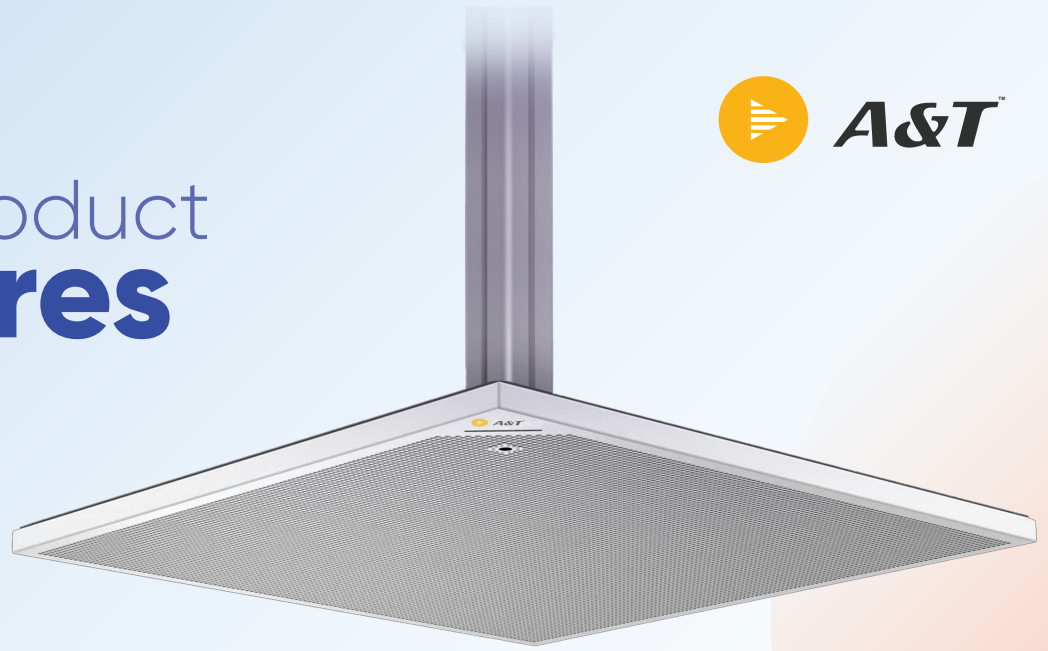
Air CSD

All-in-One Ceiling Dante
Speakerphone



EXPERIENCE nCXT

Product Features



All-in-One Acoustic Architecture

Features an integrated pickup and amplification design, equipped with a 32-element high-sensitivity microphone array, a 4-inch woofer, and a 1-inch tweeter. This architecture delivers uniform sound coverage, effectively eliminating acoustic blind spots.

Array & Coverage

Built-in 32-unit high-sensitivity MEMS microphone array achieves a 6-meter effective pickup radius. It precisely captures speech from the center of the table to the corners, with a single device covering up to 60m² of conference space.

AI Audio Optimization

Adaptive AI noise reduction and deep learning dereverberation. Built-in AEC and beamforming technology allow for stress-free double-talk capabilities within 5 meters, ensuring clear, echo-free communication even when multiple people speak simultaneously.

Intelligent Zoning & Isolation

Supports 4 independently configurable pickup zones, allowing for visual customization of zone location, shape and size.

Features intelligent mute zone isolation to actively block interfering noise from equipment areas or non-participant seating

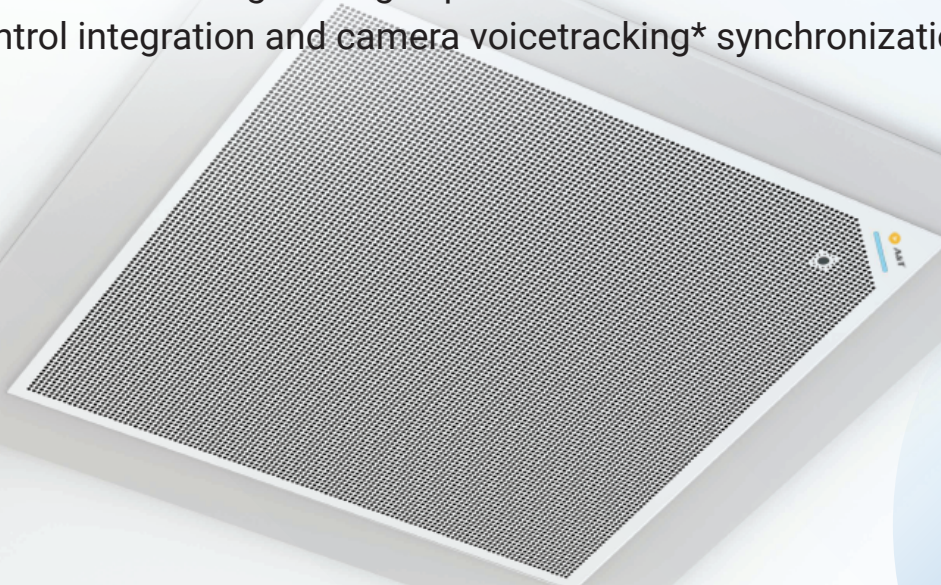
Rapid Deployment & Networking

Supports Dante and PoE, delivering audio, control, and power via a single cable. Pairs with Dante converter or any DSP for routing and adaptive configuration upon power-up, significantly streamlining deployment efficiency.

Broad Compatibility & Expansion

Seamlessly compatible with mainstream conferencing software like Microsoft Teams, Zoom, Cisco Webex and Google Meet.

Supports unlimited cascading for large spaces and offers API interfaces for central control integration and camera voicetracking* synchronization.



Basic

Product Model	Air CSD
Product Color	White
Product Dim	597mm x 597mm x 72.5mm
Packaging Dim	705mm x 705mm x 169mm
Master Carton Dim	726mm x 720mm x 196mm
Net Weight	<6kg
Power Supply	PoE+
Installation	Suspended

Audio Performance

Available Pickup Zones	4
Sampling Rate	48kHz
Pickup Area Type	Configurable (Conferencing and Mute)
Noise Suppression	35dB
AI Noise Reduction	Support
AI Reverb Suppression	Support
AI Echo Cancellation	Support
AI Full Duplex	Support (within a 5-meter pickup radius)
Mute Zone Settings	Support

Dante Audio

Dante Audio	Supported
Remote Conferencing Channel	1

Microphone

Microphone Type	32-mic MEMS array
Microphone Sensitivity	-38 dBV/94 dB SPL @ 1 kHz
Microphone Frequency Response	20 Hz – 20 kHz
Dynamic Range	84 dBA
Maximum SPL	104 dB SPL
Signal-to-Noise Ratio	73.9dB@1kHz, 94dB SPL A-Weighted
Device Sensitivity	-10.22 dBFS/Pa @ 1 kHz
Device Frequency Response	100 Hz – 15 kHz

Function

Speaker Specification

Mid-woofer	15 W, 1 pc
Tweeter	15 W, 1 pc
Frequency response	80 Hz–20 kHz
Max SPL	90 dB @ 1 kHz

Cascade Function

Cascade Quantity	Unlimited
Cascade Method	Dante Audio /PoE Network cable cascade

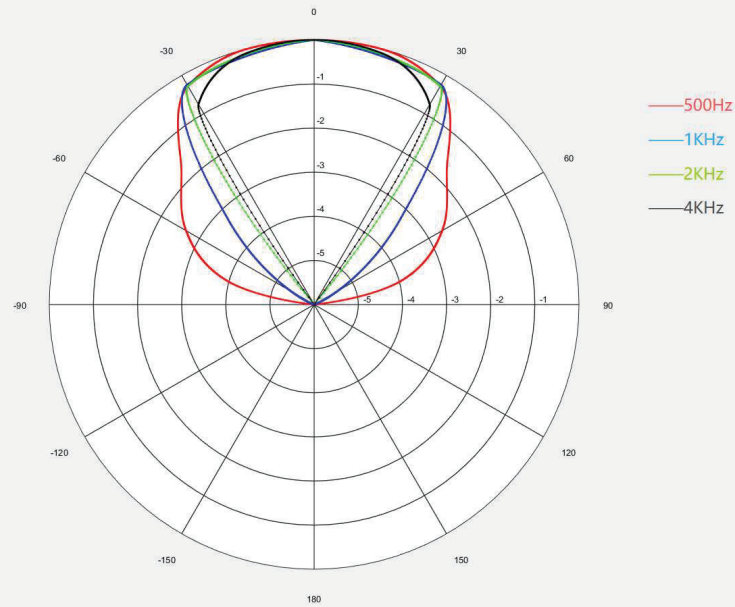
Interfaces

Dante/PoE	1
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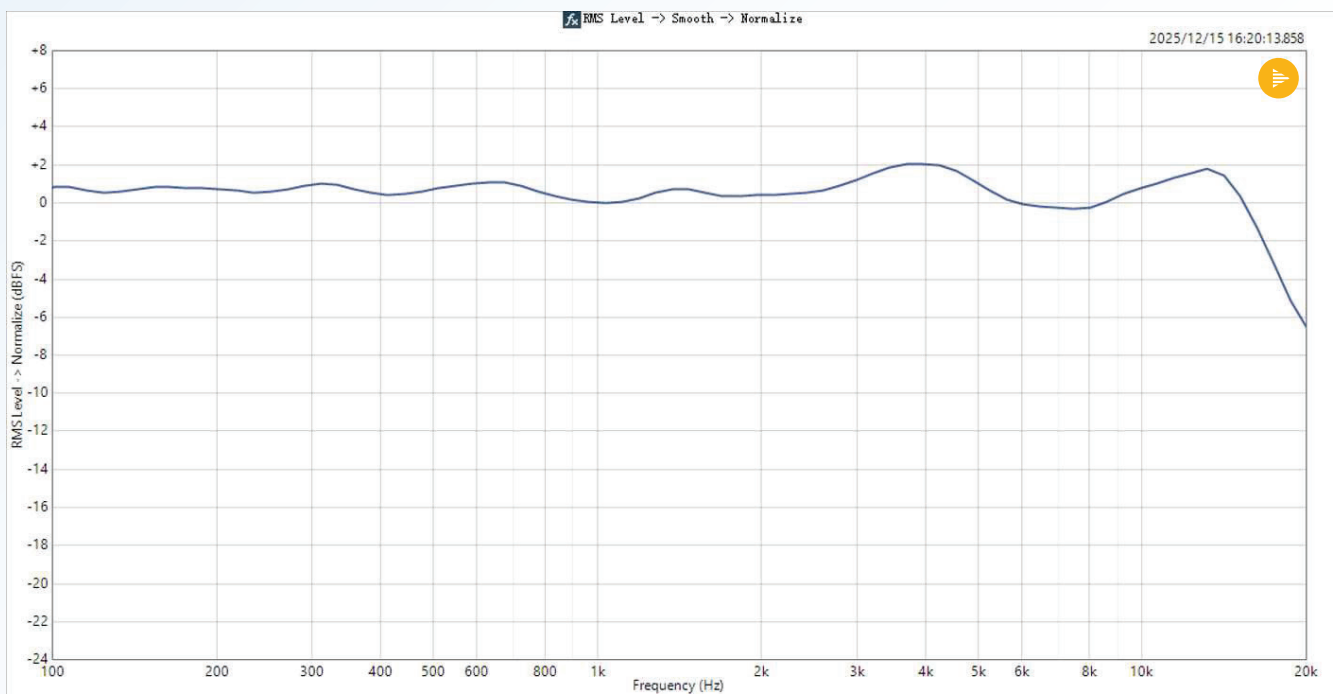
Others

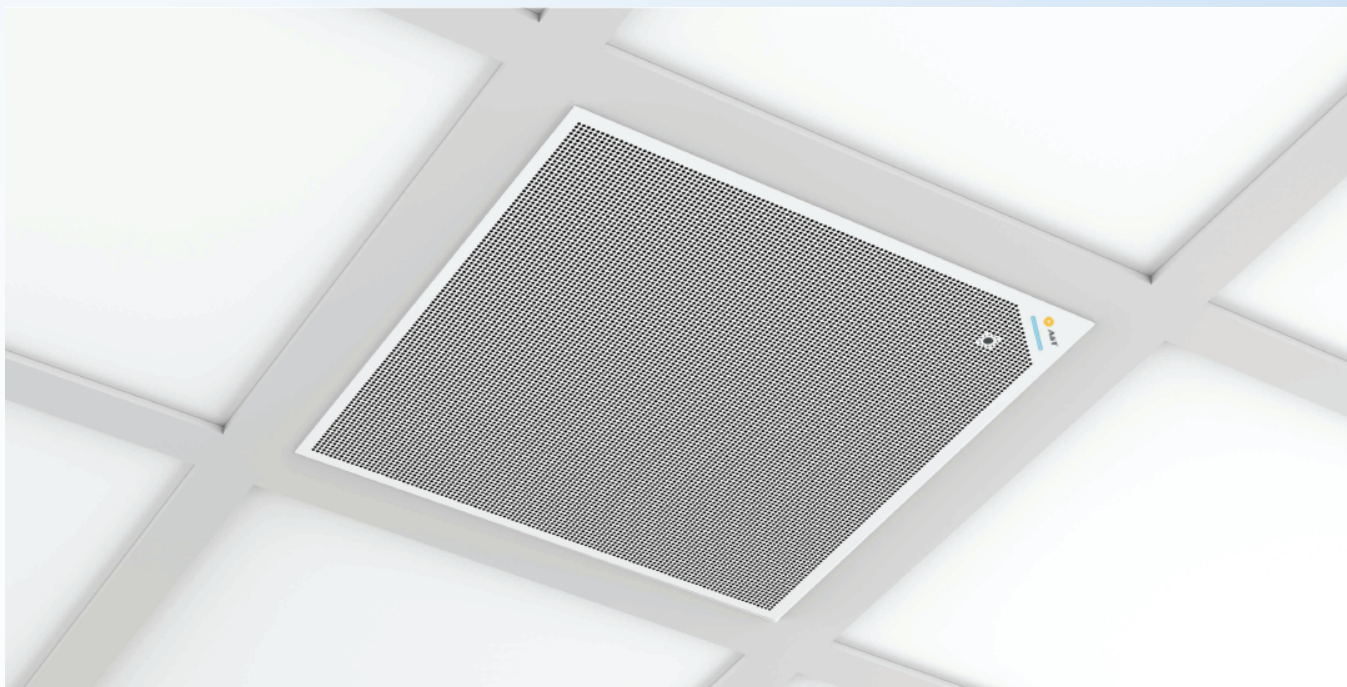
Reset Button	1
Operating Temperature	0°C to 40°C
Storage Temperature	-20°C to +70°C
Operating / Storage Humidity	20% to 95% RH
Power Consumption	20W
Certifications	FCC, CE

Audio Performance



Polar Diagram

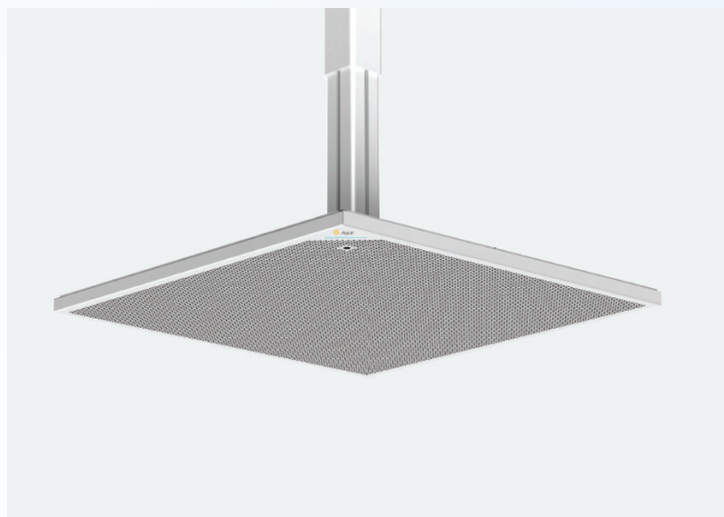




Ceiling Mount (Flush-mount / Surface-mount)



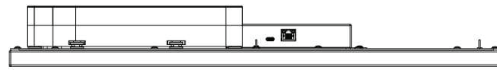
Suspension Mount (Steel Cable)



Pole Mount (Suspended Rod)

External Dimension

Unit: mm



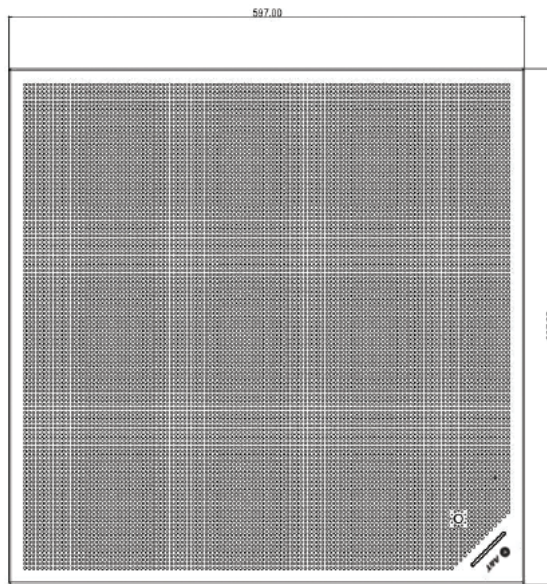
Top View



Upward View



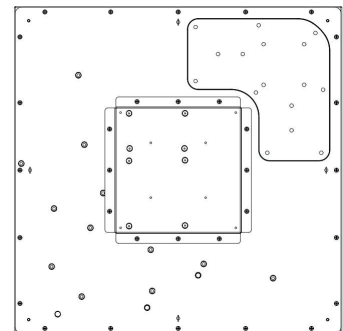
Left View



Front View



Right View



Rear View



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+91 94426 19821 | sales@atnetindia.net | www.atnetindia.net