

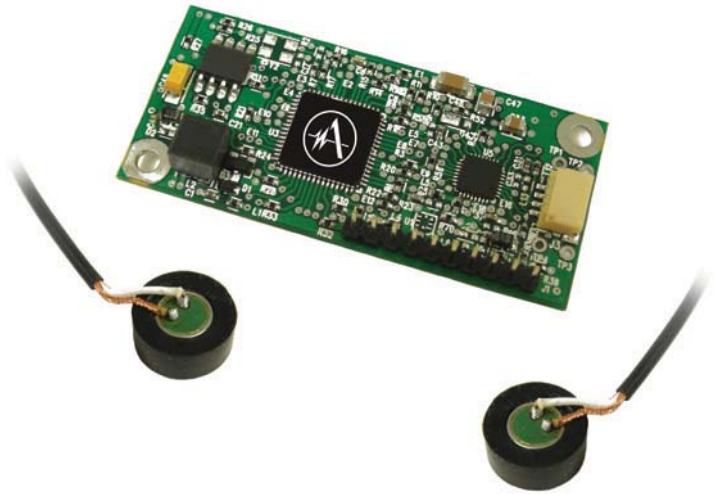
Noise Canceling Microphone Array Technology

Andrea Electronics is an innovator of patented Digital Array Microphone technology and a supplier of premium voice interface solutions for demanding customer applications.

The DA-250 is a small compact Stereo Array Microphone and Digital Signal Processor (DSP) circuit board platform that can easily be integrated into many different OEM devices that would greatly benefit from directional noise canceling microphone performance, but in the past has been unattainable with an embedded microphone configuration.

Requiring only two tiny holes in the faceplate of a device, the DA-250 Stereo Array Microphone can deliver directional microphone sensitivity without the need for acoustic baffling, as found in large parabolic waveguides or long shotgun tube type microphones.

The DA-250 is perfect for systems that demand superior microphone sound quality and performance for speech recognition accuracy and/or communication system intelligibility, while at the same time requiring the user to speak at distance from the microphone.



Features:

- Superior sound quality far-field/hands-free microphone performance.
- Wide frequency response for enhanced accuracy with large vocabulary continuous speech recognition systems.
- Wide bandwidth noise reduction spectrum.
- Stereo microphone digital beam forming for directional sensitivity.
- Low voice distortion and minimal digital artifacts when used in high noise conditions.
- More accurate speech recognition in high noise environments.
- Amplified signal output for interface into any standard microphone input.
- Simple acoustic integration for existing communication system retrofit.
- Robust adaptive algorithms, no tuning required per embodiment.
- Only 10 millisecond latency.
- Low power consumption.

Sample Applications:



Interactive
Kiosks



Interactive
ATMs



Television
Voice Control



Cell Phone



Consumer Electronics
Voice Control



Drive-thru
Communication



Computer
Communications

