



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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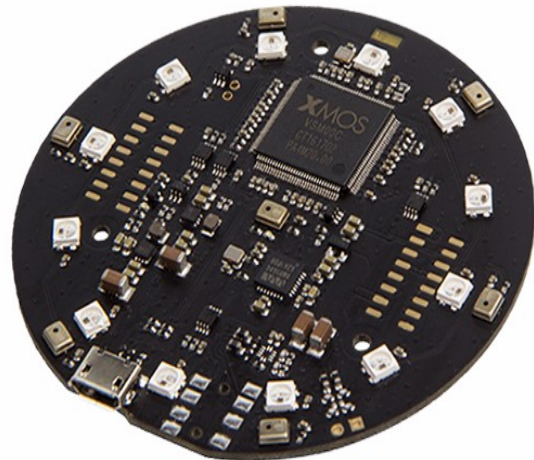




ReSpeaker Mic Array - Far-field w/ 7 PDM Microp

SKU 107010001

- Far-field Voice Capture
- Acoustic Source Localization
- Beamforming
- Noise Suppression
- De-reverberation
- Acoustic Echo Cancellation



Description



MEET RESPEAKER MIC ARRAY


The ReSpeaker Mic Array can be stacked (connected) right onto the top of ReSpeaker Core to significantly improve the voice interaction experience. It is developed based on the XVSM-2000 Smart Microphone from XMOS. The board integrates 7 PDM microphones to help enhance ReSpeaker's acoustic DSP performance to a much higher level. With the Mic Array attached onto the top of the ReSpeaker Core, ReSpeaker is now able to:



HEAR YOU FROM FAR AWAY



FOCUS ON YOUR VOICE




Focus On Your Voice

- Acoustic Source Localization
- Beamforming
- Noise Suppression



IMPROVE VOICE QUALITY



Improve Voice Quality

- De-reverberation
- Acoustic Echo Cancellation



KEY FEATURES

Far-field Voice Capture

Acoustic Source Localization

Beamforming

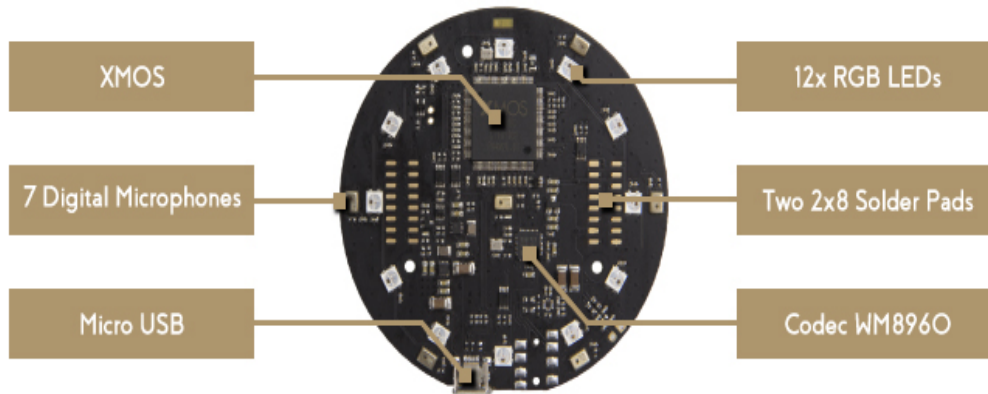
Noise Suppression

De-reverberation

Acoustic Echo Cancellation



Mic Array



XMOS microcontroller with 16 cores inside

7 high performance digital microphones

Supports Far-field Voice Capture (up to 10m)

Supports Beamforming, Acoustic Source Localization, Noise Suppression, De-reverberation and Acoustic Echo Cancellation

12 programmable RGB LED indicators

Microphones: ST MP34DT01-M

Sensitivity: -26 dBFS (Omnidirectional)

Acoustic overload point: 120 dB SPL

SNR: 61 dB

Power Supply: 5V DC from Micro USB or expansion header

Dimensions: 70mm (Diameter)

Weight: 15.25g



PACKING LIST

1x ReSpeaker Far-filed Mic Array