**Sipeed I2S Microphone for MAIX Dev. Boards**

Sipeed I2S Mic Module is a mini size single MEMS microphone that can be connected to MAIX development boards Dock/Go/Bit as well as the Sipeed Binocular camera easily. it's high sensitivity, low Noise and cost-effective.

**Features**

* MEMS microphone: MSM261S4030H0:
* Sound Pressure Level: 140 dB SPL
* Sensitivity: -26(dB, dBFS @1kHz 1Pa)
* Signal to noise ratio: 57 dB (20kHz bandwidth, A-weighted)
* THD<1% (100dB SPL @1kHz S=Nom, Rload>2k)
* Clock frequency: 1.0-4.0Mhz (normal mode); 150-800khz (low power mode)

**Applications**

* Sound localization
* Beam forming
* Speech recognition

**Key Search Terms**

Sipeed, MAIX, AI, IoT, I2S mic, sound localization, beam forming speech recognition

**Parts Lists**

* Sipeed 6+1 Microphone Array x 1