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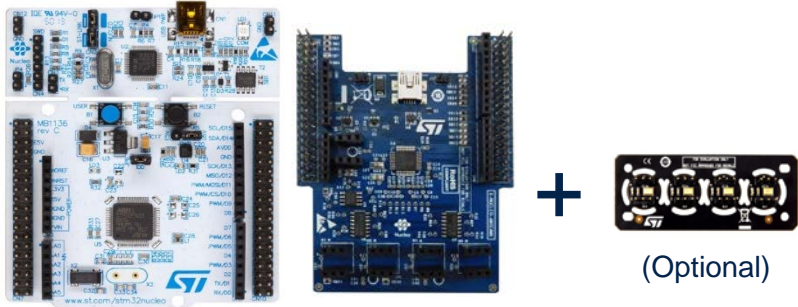
MP23ABS1 Analog MEMS microphone for connected devices

Evaluation tools and software

Audio acquisition evaluation tools

Different solutions for audio data processing

X-Nucleo + Coupons

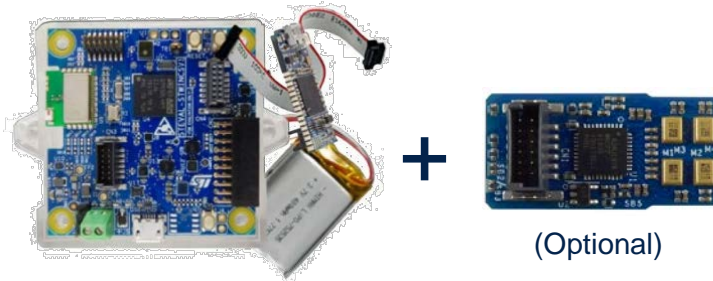


STM32 NUCLEO with
EXPANSION board
X-NUCLEO-AMICAM1

Daughterboard
containing 4x
MP23ABS1
STEVAL-MIC004V1

Software package:
X-CUBE-MEMSMIC1

STWIN



Development kit
STEVAL-STWINKT1

Microphone array
expansion with 4x
MP23ABS1
STEVAL-STWINMAV1

SensorTile.Box



Ready-to-use box kit with wireless
IoT and wearable sensor platform
STEVAL-MKSBOX1V1

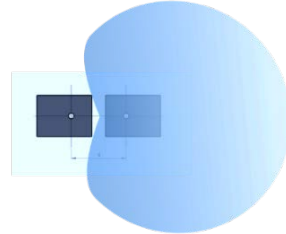
Software package:
STBLESensor GUI

Beamforming & source localization

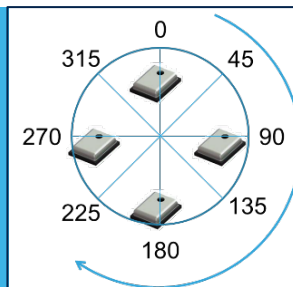
Exploiting MEMS Microphones Array capability

X-Nucleo + Coupon board (at least 2 microphones are needed)

BEAMFORMING: using a MEMS (omnidirectional) microphone array, it creates a virtual directional microphone



SOUND SOURCE LOCALIZATION: using a microphone array, it estimates the angle of arrival of audio signal



+



(Optional)

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containing 4x
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STVAL-MIC004V1**

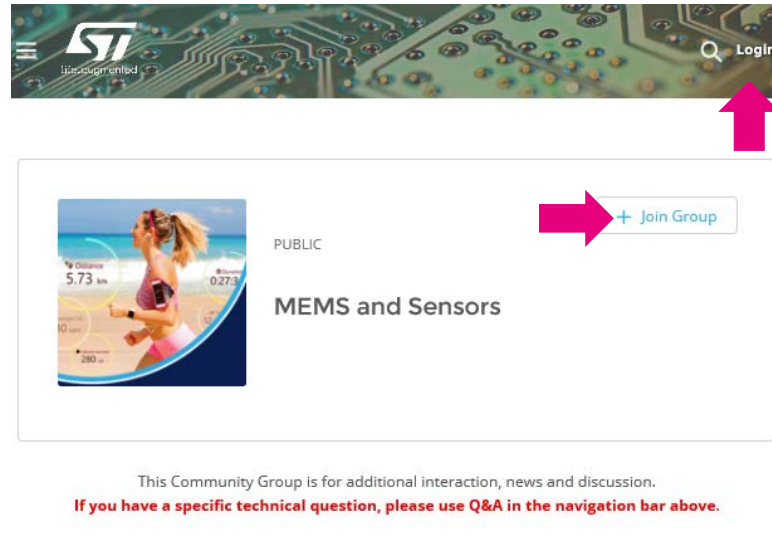
**Software package:
X-CUBE-MEMSMIC1**

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