

embidio small

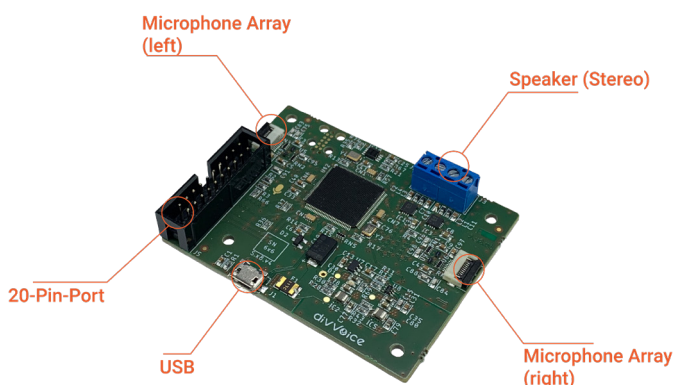
The optimized solution for your projects

The embidio small is a cost-optimized modular main board, with two microphone boards and two digital microphones each. These allow a span of up to 20cm.

It can be integrated into systems that already have their own user interface, such as display or input fields, and enable speech processing. The SoM offers an ideal solution for reducing your personnel costs and can be quickly and easily connected to your product interfaces.

Thus you can reduce your production costs considerably and connect embidio small quickly and easily to your interfaces.

Embidio Hardware allows you to develop a customized voice assistant. The modularity of the hardware makes it easy to configure it to the requirements of the environment and the target product.



Hardware and software specifications

embidio small offers several interfaces and thus enables a high degree of individualization.

Highlights

Microphones	8 x I2S digital MEMS
Speaker	2 x 4 W (Stereo output)
Ports	2.0 USB
Add. connections	20 pol-port with GPIOs & 5 V/DC

Interfaces	
USB Host	1 x USB2.0 Host
I2C	1 x I2C
SPI	1 x SPI
Power	1 x 5 V/DC

OS Support	
Linux	Yes
Windows	Yes
macOS	Yes

Signal Processing	
Beamform	Fixed Beamforming
AEC	Acoustic Echo Cancellation
CN	Comfort Noise Generator
LEC	Line Echo Cancellation
AES	Acoustic Echo Suppression
LVL	Auto-Leveler mit Limiter
AGC	Automatic Gain Control
NR	Background Noise Reduction

Physical Data	
Dimensions (W x L)	67 x 53 mm
Type	SoC-Modul, one site
Weight	19,9 g
Power	5 V DC
Max. Power	2 A
Temperature	0 to 70°C



embidio small



USB-Cable



Ribbon-Cable



Speaker



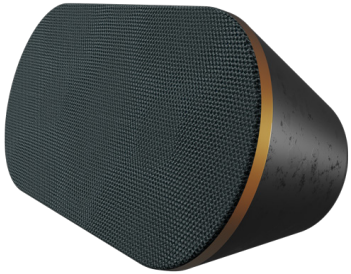
Microphones



FFC / FPC Jumper Cables

embidio small development kit

The development kit can be used as an integrated development platform for both evaluation and application development purposes. The development kit is a great way to test the performance and modularity of the hardware and use it for your application.



Ready to use system

With embidio System you get a ready-to-use system that you can use for your product development.

About divVoice

divVoice GmbH has been bringing reliable voice assistance systems to industry since 2017. In doing so, the company inspires its customers to bring innovative products with integrated voice control to the market. Thanks to its modularity, the embidio hardware ensures a smooth integration process of voice control into your products. With its self-developed IoT platform for voice assistants, divVoice offers your customers the opportunity to exploit the full potential of smart products. Where reliable voice control and innovative technologies are required, partners rely on divVoice GmbH.

For more information, contact: info@divvoice.de or visit us: www.divvoice.de