# EM9305 SOC DVK FACTSHEET

## DESCRIPTION

The EM9305DVKSOC is a Development Kit (DVK) providing the hardware tools to develop a complete System-on-Chip (SoC) application running of the EM9305.

EM | Bleu (EM9305) is a compact, high performance, and low energy Bluetooth 5.4 qualified IC, including support for the latest Bluetooth features, such as AoA/AoD & Direction Finding, Isochronous channels & Broadcast Audio, and Periodic Advertising With Response & ESL. Its highly flexible architecture allows it to act as a companion IC to any ASIC or MCU-based product, or as a complete System-on-Chip (SoC).. Custom applications can execute on an efficient 32-bit ARC processor from a 512kB flash using a cache and DMA to optimize power consumption. DSP and floating-point units can be exploited to implement advanced audio and tracking algorithms.
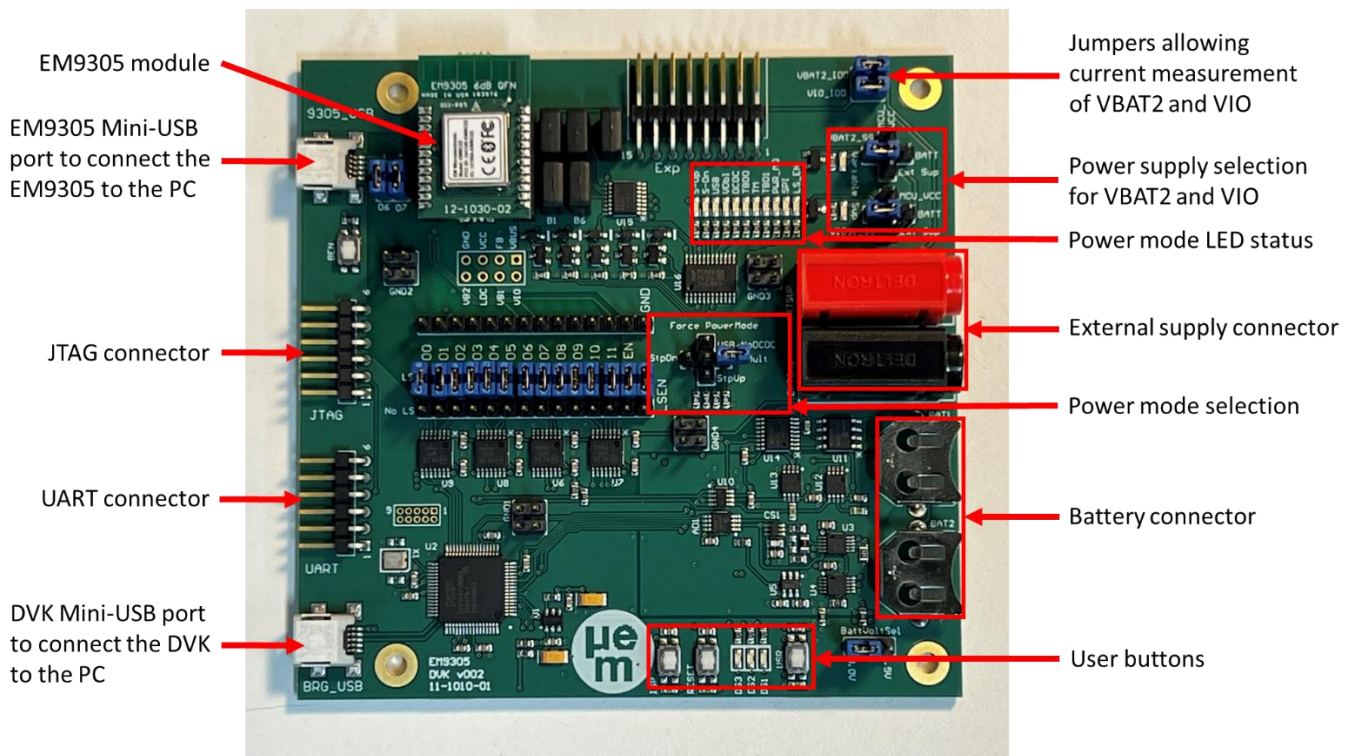
See the following website for more information:
https://www.emmicroelectronic.com/product/standard-protocols/em-bleu-em9305

## CONTENT

The EM9305 SOC DVK consists of 2 boards and 2 cables
- An EM Microelectronic EM9305 DVK board.
- An EM Microelectronic EMREF9305QFN module.
- A Digilent JTAG cable allowing on-chip debug.
- A USB to USB mini cable to power the system and communicate with the PC allowing but not limited to loading the FW and configuring the device.

## RESOURCES

After registration to our support forum and account validation, you can access the EM9305 SDK containing the DVK user manual and hardware description.

https://forums.emdeveloper.com/index.php?resources/categories/software-development-kit.50/



## ORDERING INFORMATION

The following products can be ordered directly from the EM Microelectronics website:

| Part Number | Description | Container | Units per Container |
|---|---|---|---|
| EMDVK9305SOC | Bluetooth Low Energy SOC Development Kit<br>- Includes 1x EMREF9305QFN | Box | 1 |
| EMREF9305QFN | EM9305 QFN Module | - | 1 |