

MIOTY End-points

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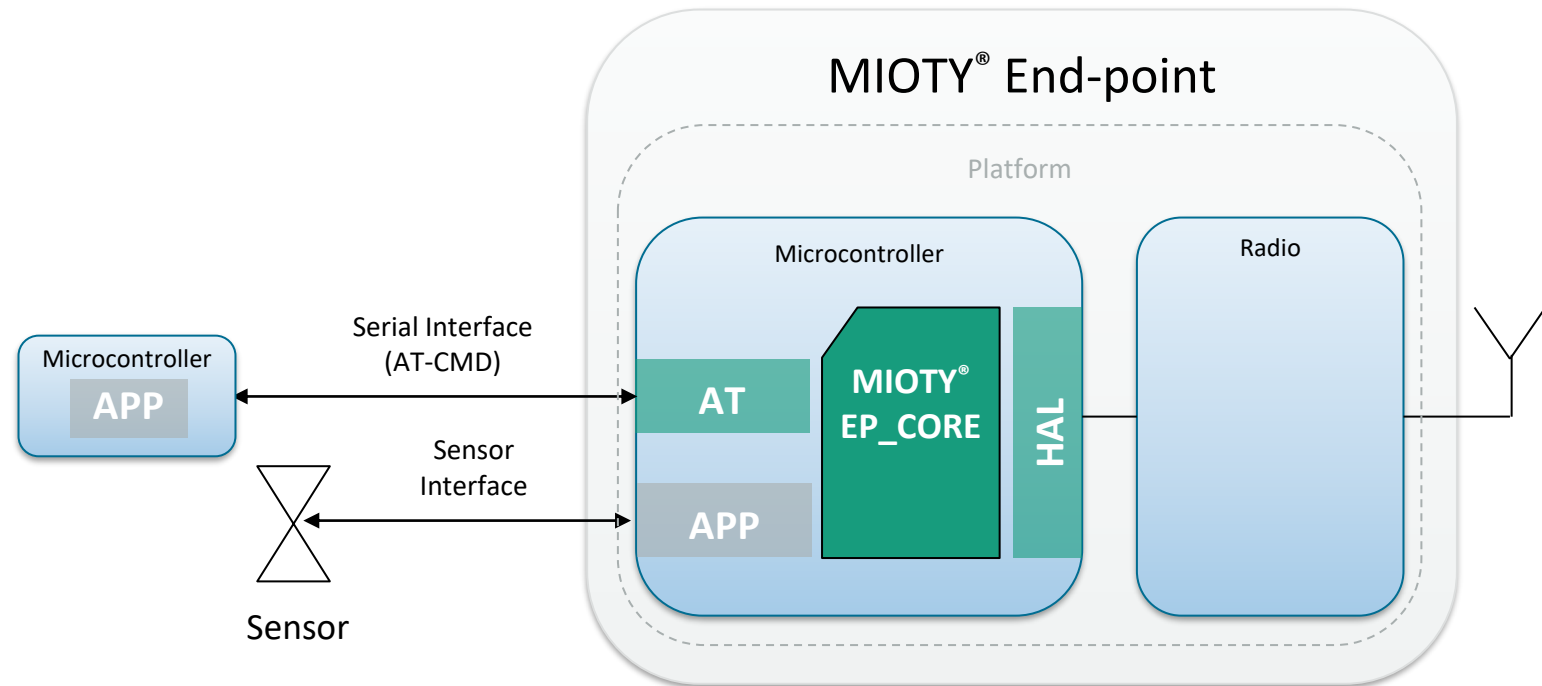
# How you build a sensor device

Josef Bernhard, Ferdinand Kemeth, Maximilian Burger, Anja Meldau

# MIOTY End-point Device Block Diagram

A MIOTY End-point device can be build as:

- A radio modem with a serial interface and a defined AT-Command Set
- A sensor module with integrated application SW interfacing to a sensor/actor



# MIOTY End-point Device

## Currently supported radios

Currently supported radios:

Semiconductor Manufacturer	Radio Chip	Integrated Microcontroller	Functionality	Available Stack
Texas Instruments	CC13x0	ARM Cortex M3	BIDI	Commercial
Texas Instruments	CC13x2	ARM Cortex M4	BIDI	Commercial
Silicon Labs	Si4x6x	-	UNI	Commercial
Silicon Labs	EFR32FG14P	ARM Cortex M4	BIDI	Commercial
STMicroelectronics	S2-LP	-	UNI	Commercial
STMicroelectronics	STM32WL	ARM Cortex M4	UNI	Beta
Semtech	SX1276	-	UNI	Commercial
Semtech	SX1262 / SX1261	-	UNI	Beta
RF Hope	RFM69 / RFM96	-	UNI	Maker

# MIOTY End-point Device

## How we can support

1

### Proof of concept

We provide support during (test) installations, through measurement campaigns and their evaluations

2

### Prototype assembly

We support prototyping and product development (including integration on new platforms)

3

### Product development

We provide licenses for software and hardware design

## Integration & Licensing - Evaluation & Consulting

With our many years of experience in the development and standardization of energy-autonomous radio communication systems, we offer in-depth know-how in the field of radio transmission. Fraunhofer IIS supports you in evaluating or developing suitable components.

### Our capabilities:

- Provide reference SW
- Provide reference HW designs
- Implement new platforms
- Provide documentation
- Provide development guidelines



Fraunhofer Institute for Integrated  
Circuits IIS

# Contact

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Ferdinand Kemeth  
Efficient Communication  
Phone +49 911 58061-3330  
[Ferdinand.kemeth@iis.fraunhofer.de](mailto:Ferdinand.kemeth@iis.fraunhofer.de)