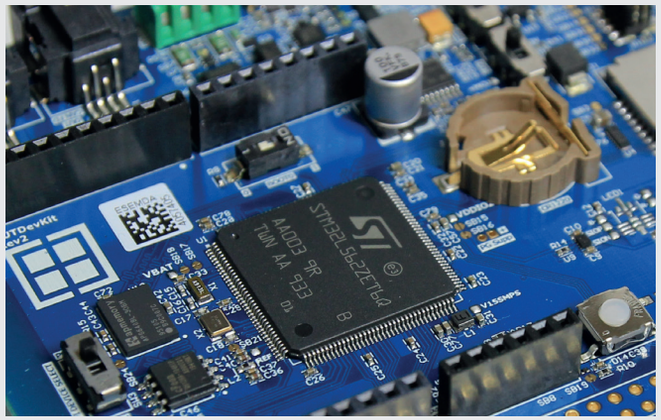
# RUTDevKit-STM32L5

The RUTDevKit-STM32L5 developed by Rutronik provides hardware and firmware developers with a „one-stop“ platform solution for the in-house development of a wide range of applications. For this purpose, we have built in many hardware features that make it possible, for example, to implement these functions:

- CAN FD
- USB-C Power Delivery with protection IC
- RS485 Interface
- Low power functions test with battery (Stand alone use possible)
- Test Octo-SPI memory
- Security features with firmware example

The Arduino connectors offer you a connection to the most diverse applications. Rutronik is already working on Arduino Adapter Shields, which are used to implement applications such as communication interfaces or sensor technology.



# Contact

RUTRONIK
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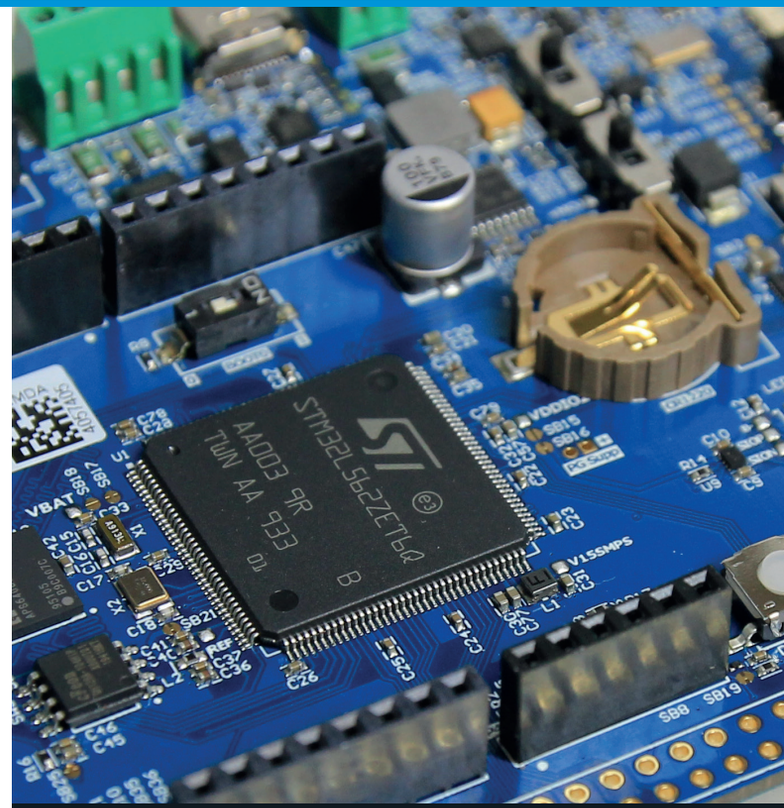
For further information please contact your local sales team.

**microcontroller@rutronik.com**



Committed to excellence

## DEVELOPMENT-KIT
STM32L5

Consult | Components | Logistics | Quality

# Key Functions

# Development-Kit

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STM32L5 Ultra-Low-Power IoT-Controller (110 MHz) ARM® Cortex® - M33 TrustZone® | Arduino-Pin-Connectors | Access to Microcontroller-IO-Pins | On-Board PSRAM and NOR-FLASH connected via Octo-SPI | ST-Link USB-Debugger

**Hardware Features**

- STM32L562ZET6Q Cortex®-M33 512KB Flash
- APS6408L 64 Mbit Octo-SPI PSRAM
- EN25QH128A 128 Mbit Quad-SPI NOR Flash
- CAN FD with TLE9251VLE Driver
- USB-C Power Delivery with TCPP01-M12 Protection IC
- RS485 Interface with ST3485EDBR Driver
- Adam-Tech Micro SD Card Socket
- On-Board ST-LINK V2 Debugger/Programmer
- Arduino Expansion Connectors
- 4-Layer-Design

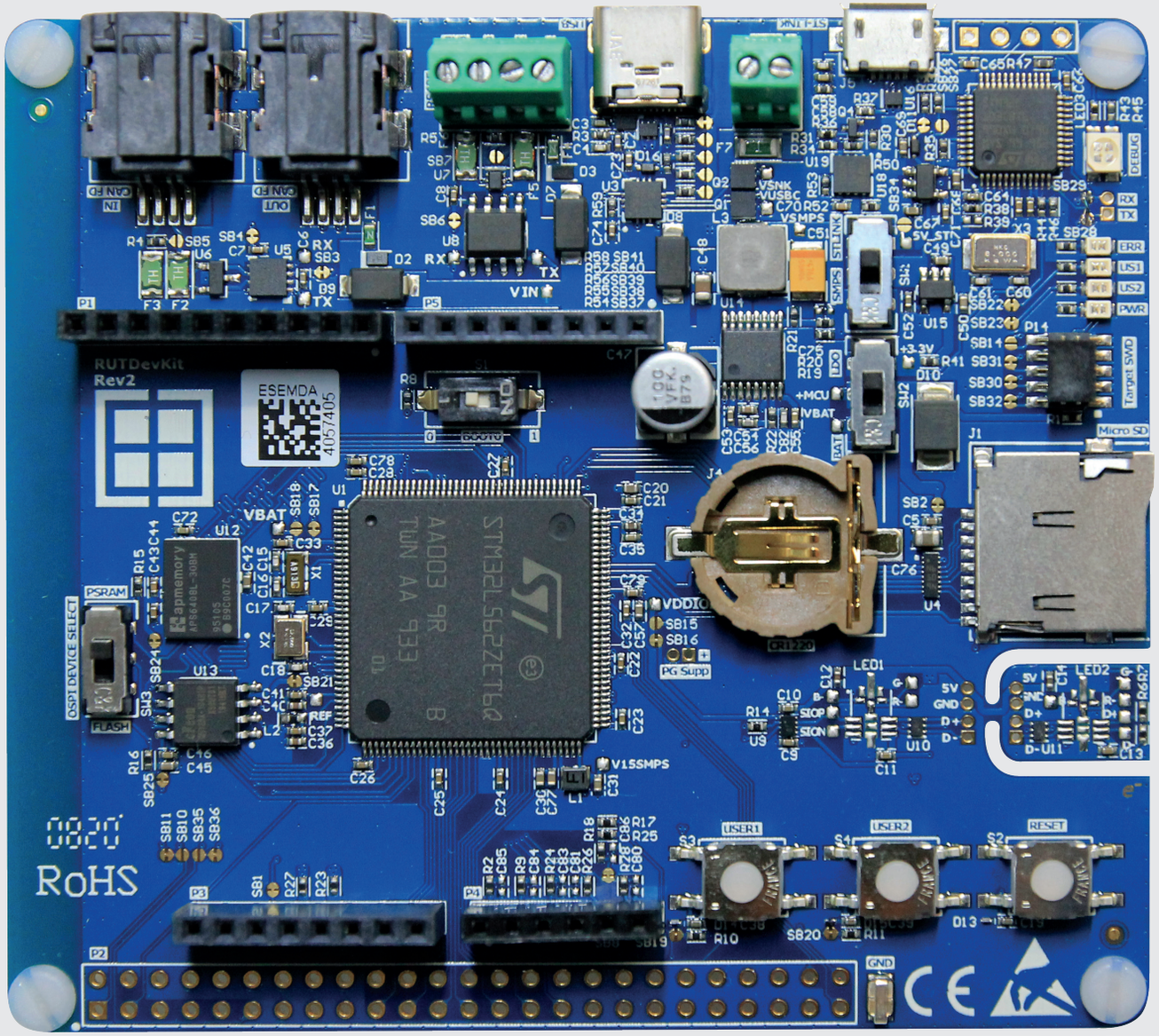
**Software Features**

- CAN-FD Test Modes Demo
- RS485 Modbus Demo
- USB Power Delivery Demo
- Dual Bank Flash Bootloader Demo
- TrustZone® Demo
- Tamper Detection Demo

The BOM contains only products from the Rutronik portfolio.

The key components are provided by STMicroelectronics, Infineon, AP Memory, ESMT, ADAM TECH, AICC, JAE, Diodes Inc., C&K, Panasonic, Osram, Samsung EM and Yageo.

The complete BOM can also be found in the download area and can be easily adapted to your application.




Further information about the board is available in the download area once you registered on www.rutronik.com.