


# RAK3172 Evaluation Board

Thank you for choosing **RAK3172 Evaluation Board** in your awesome IoT Project! 🎉 To help you get started, we have provided you all the necessary documentation for your product.

- [Quick Start Guide](#)
- [AT Command Manual](#)
- [Datasheet](#)
- [RAK3172-E 3D Model](#) 

## Product Description

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The RAK3172-E is a WisDuo Evaluation Board for the RAK3172 module that uses an STM32WLE5CCU6 SoC chip. It is based on the RAK3372 WisBlock Core, which is compatible with the RAK5005-O base board. It provides an easy way to access the important pins of the RAK3172 module in order to simplify development and testing. It also allows you to connect other modules to the base board slots and build complete IoT project with the integrated connectors for battery and solar panel plus the onboard charging circuit.

This module complies with Class A, B & C of LoRaWAN 1.0.3 specifications. It also supports LoRa Point-to-Point (P2P) communication mode, which helps you in implementing your own customized long-range LoRa network quickly.

## Product Features

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- Based on **STM32WLE5CCU6**
- **LoRaWAN 1.0.3** specification compliant
- **Supported bands:** EU433, CN470, IN865, EU868, AU915, US915, KR920, RU864, and AS923-1/2/3/4
- LoRaWAN activation by OTAA/ABP
- LoRa Point-to-Point (P2P) communication
- Easy-to-use AT command set via UART interface
- Custom firmware using Arduino via RUI3 API
- Long-range - greater than 15 km with optimized antenna
- ARM Cortex-M4 32-bit
- 256 kbytes flash memory with ECC
- 64 kbytes RAM
- **Supply Voltage:** 5 V via USB or 3.7-4.2 V using Li-Ion Battery
- **Temperature Range:** -35° C ~ 70° C

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