

Product description

PHOENIX-M is a low cost wireless RF module, based on a STM32L071RBH6 controller in the frequency range **868 MHz** and an output power up to **+16 dBm**. The module offers compact design, has a very low current consumption and is ideally suitable for battery driven applications. The PHOENIX-M mioty stack offers **unidirectional** transmission.

mioty is a standardized software-based connectivity solution for building massive, secure and powerful Low Power Wide Area Networks (LPWAN), for large-scale industrial and commercial IoT applications. mioty's patented Telegram Splitting technology enables the lowest packet error rates, even in a crowded spectrum, and operates without interference by other networks.

Features:

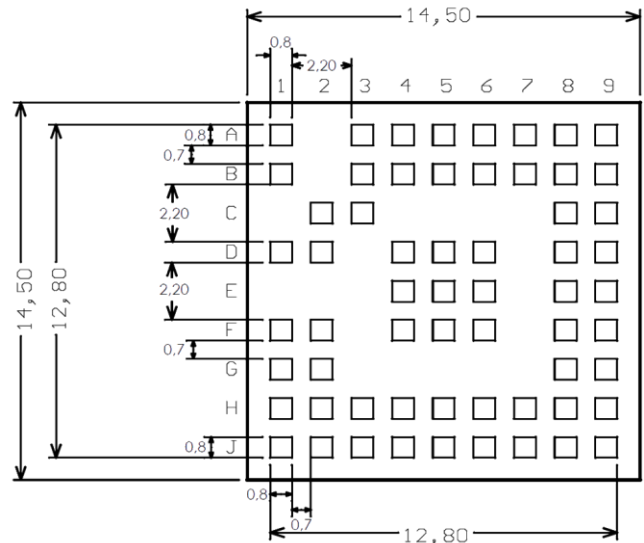
- Small size (14,5 mm x 14,5 mm) for SMD mounting
- UART interface
- Antenna pad / u.FI socket
- mioty stack for unidirectional transmission

Technical data

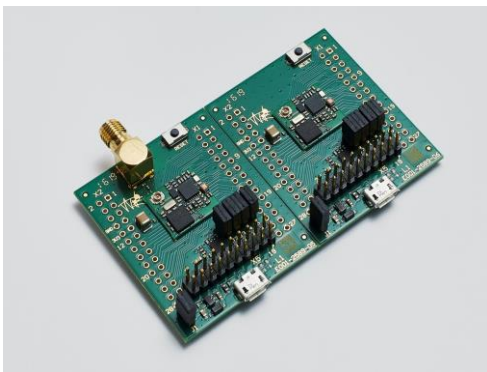
Hardware	STM32L071RBH6
Processor	32-bit MCU ARM® Cortex® M0 Controller
Frequency range	868 MHz
Voltage range	2,0 – 3,6 V
Power consumption	Rx: typ. 7,2 mA; Tx: typ. 20 mA
Output power	Up to +16 dBm

PHOENIX-M Pinout

This Figure shows the view from top side
All dimensions are in millimeter



PHOENIX-M development kit available



WEPTeCH elektronik GmbH

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V 1.0