



## Product description

COUA is a low cost wireless RF module, based on TI CC1310 controller in the frequency range **868 MHz** and an output power up to **+14 dBm**. The module offers compact design, has a very low current consumption and is ideally suitable for battery driven applications. The COUA mioty® stack offers **bidirectional** 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 (15 mm x 15 mm) for SMD mounting
- UART interface
- Antenna pad / u.FI socket
- mioty® stack for bidirectional transmission

## Technical data

Hardware	TI CC1310
Processor	Powerful 48-MHz Arm Cortex-M4F Microcontroller 352KB/80KB RAM
Frequency range	868MHz
Voltage range	1.8 V to 3.8 V
Power consumption	Rx: 5.8 mA; Tx: at +14dBm: 24.9 mA
Output power	Up to +14 dBm

## Versions & Order information

Article number	Product name	Interface	Packaging unit (VPE)
A001-0041-001	COUA-B (Bidirectional)	UART	90 pcs. (Tray)
A001-0098-001	COUA-B (Bidirectional)	UART	500 pcs. (T&R)
A001-0099-001	COUA-BA (Bidirectional)	API	90 pcs. (Tray)
A001-0100-001	COUA-BA (Bidirectional)	API	500 pcs. (T&R)
(A001-0101-001)	COUA-U (Unidirectional)	UART	90 pcs. (Tray)
A001-0102-001	COUA-U (Unidirectional)	UART	500 pcs. (T&R)
A001-0103-001	COUA-UA (Unidirectional)	API	90 pcs. (Tray)
A001-0104-001	COUA-UA (Unidirectional)	API	500 pcs. (T&R)

For each Version there is a Development Kit available.

## COUA Pinout

