

---

## MIOTY PLUG IN FOR UNIFIED GATEWAY

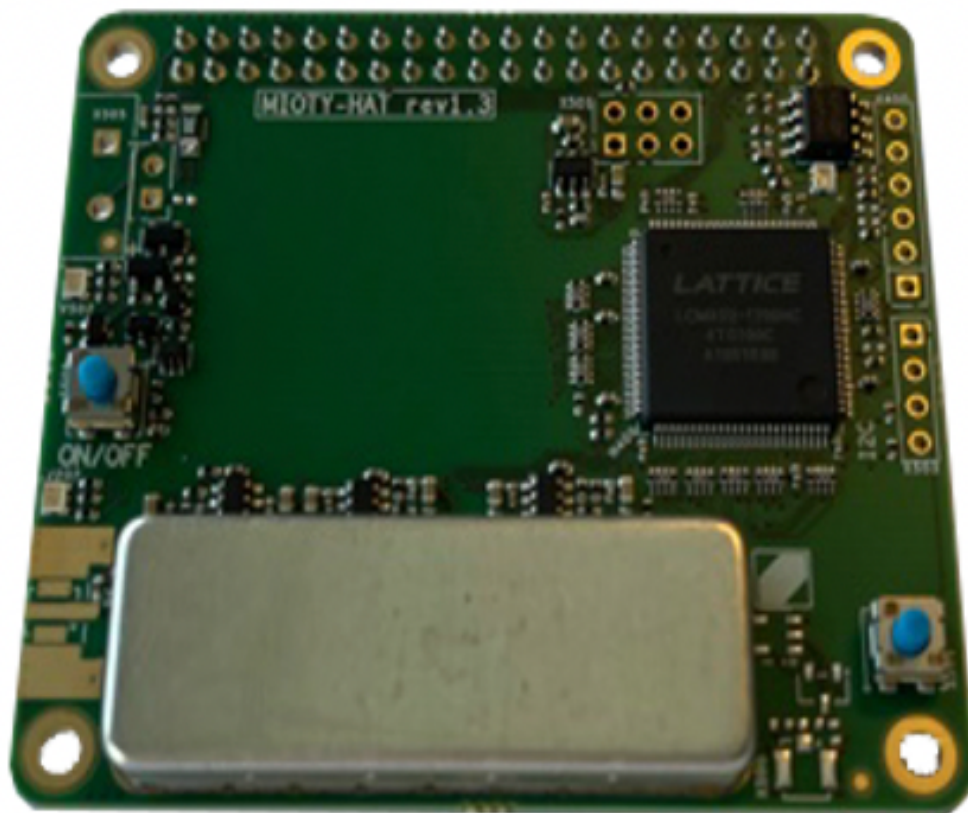
### MIOTY-PLUG-IN-1.0

---

#### 1 Overview

The Mioty Plug in front end is compact Software Defined Radio (SDR) front end for Internet of Things (IoT) base station applications together with a Unified Gateway. It is based on a Fraunhofer reference design.

An integrated transceiver converts the RF signals to and from the digital baseband. The transmitter supports output powers of up to 14 dBm. The front end uses a 40-pin GPIO interface to Wittra Unified Gateway for baseband (IQ) data, control information, firmware update and power supply.



## Specification

Size	65mmx49mm PCBA
Weight	0.09kg
Operating Temperature	0°C to +50°C
Physical Interface	40-pin GPIO interface for connection to Unified Gateway
Antenna interface	RP-SMA connector to connect to custom Unified Gateway antenna interface.
Maximum Input Power	1.2A @5V
Input Voltage Range	4.5 – 5.5 Volts DC
Nominal channel center frequency	869,4750244 MHz and 869,575 MHz (EU)
Operating channel width	200 kHz (2 x 100kHz)
Max. Transmit Power	14dBm (25mW) ERP
Regulatory Compliance	CE/UKCA (EU)