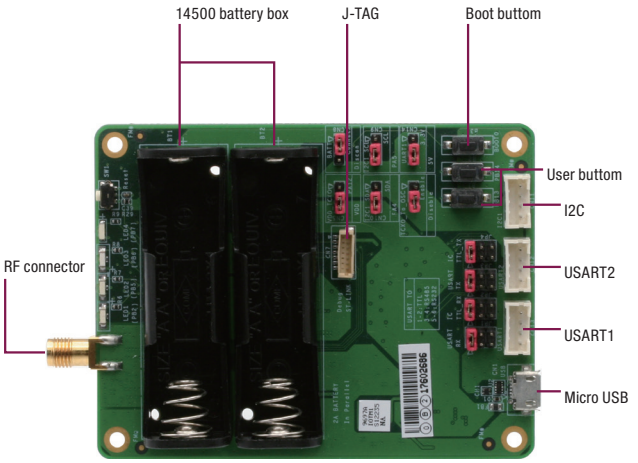
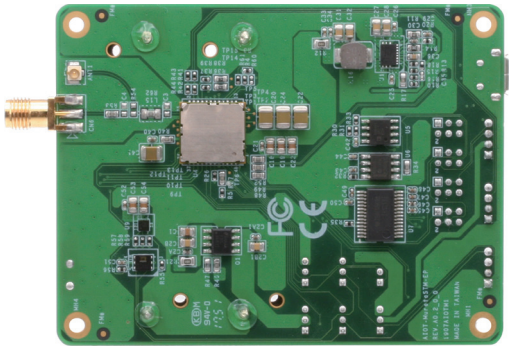
AIOT-ILND01

LoRa Long Range Radio Node Board

COMPUTEX d&i awards 2019





Features

- **LORA stack & STM32 application architecture**
- **Support 868/916 MHz**
- **Build in Temp/humidity sensor, 3-axis accelerometer**
- **GROVE Connector x 3 for UART & I2C**
- **Supports with +5V or 14500 Lithium-ion battery x 2**

CE

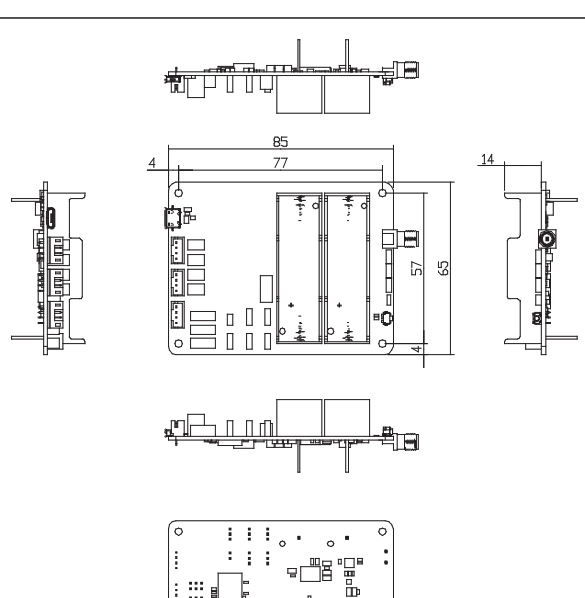
Specifications

System	
Dimension	3.35" x 2.56" (85 mm x 65 mm)
MCU	ST STM32L Semtech SX1276
I/O Placements	GROVE connectors x 3 - UART1 (RS-232/RS-485) x 1 - UART2 (TX/RX) x 1 - I2C x 1 Temperature & humidity sensor x 1 3-axis Accelerometer (2G/4G/8G/16G) x 1 Micro USB2.0 type B for power supply x 1 JTAG-debug port x 1 Battery connector x 2 for 14500 Lithium-ion battery x 2
Others	LED (GPIO control) x 4 3 buttons - boot select x 1 - User defined x 2 - Reset button x 1 SMA antenna connector x 1 IPEX antenna connector (Optional) x 1
Power Input	+5V (via Micro USB) 14500 Lithium-ion battery for external power x 2
Operating Temperature	32 °F ~ 140 °F (0 °C ~ 60 °C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Certification	CE

Note: All specifications are subject to change without notice.

Dimension

Unit: mm



Order Information

PART NUMBER	MCU	I/O	WiFi/ BT	LoRa	MOUNTING	POWER	OPERATION TEMP.	Others
AIOT-ILND01-A10-MURABZ-EU	ST STM32L Semtech SX1276	3 x GROVE connectors - 1 x UART1 (RS-232/422/485) - 1 x UART2(T X /R X) - 1 x I2C 1 x Temperature & humidity sensor 1 x 3-axes Accelerometer (2G/4G/8G/16G) 1 x micro USB2.0 type B with power 1 x JTAG-debug port 2 x battery connector for 2 x A A	—	Frequency band 868MHz	—	+5V (USB) 2 x A A battery for external powe	32°F ~ 140°F (0°C ~ 60°C)	4 x LED (GPIO control) 3 buttons - 1 x boot select - 2 x User defined 1 x Reset button 1 x SMA antenna hole 1 x IPEX antenna hole

Packing List

- **Antenna x 1**
- **AIOT-ILND01 x 1**