**mURM Evaluation Board**

**Technical Specification**

- **Air Interface Protocol:** EPCglobal UHF Class 1 Gen 2
- **Frequency:** 865 - 868 MHz
- **Number of Channels:** 4 channels
- **Supported Region:** ETSI (Europe) - ETSI EN 302 208
- **RF Power Output:** max. 14 dBm
- **Antenna Connection:** SMA, 50 ohm
- **Tag Communication Rate:** 40 kbps
- **Read Range:** Up to 1 m
- **Tag Read Rate:** Up to 50 tags/second
- **Interfaces:**
  - USB 2.0 connectivity
  - It appears as USB serial port
  - USB mini-B connector
  - RS232
  - 2 x UART, SPI
  - 9 GPIOs
  - 4 x push buttons
  - 4 x LEDs
  - buzzer

- **Power supply:**
  - external 3.3 VDC
  - 5 VDC (Powered by USB interface)
  - external 6 to 30 VDC
  - Max. 200mA

- **Operating Temperature:** -20°C to +55°C
- **Dimensions:** 120 mm L x 80 mm W x 15 mm H

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