

WED100

WIRELESS END DEVICE



WED100 is an end device with low power consumption algorithm.

It supports different RF communication topologies such as star, mesh and tree.

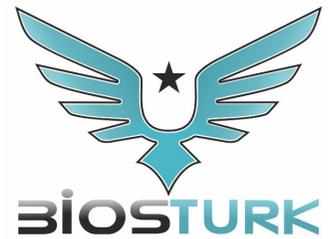
For long distances, it can communicate up to 10Km in open areas using LoRa and similar modulation techniques.

With its many industrial interfaces, different sensors such as temperature, humidity, smoke, air quality, explosive gas can be connected.

Depending on the battery capacity and operating condition to be used, it can serve up to 5 years.

It can turn other devices on and off with its digital outputs.

It is compatible with MTL200 and MTL32 IoT GW.



TECHNICAL SPECIFICATIONS

- **Data Rate: 2Mbps @ 2,4GHz**
- **433MHz-868MHz-2,4GHz**
- **LoRa, GFSK, ASK, OOK**
- **Comm Distance:**
10m—10Km
- **Power Consumption:**
 - 80uA (Deep sleep)
 - 11,3mA @ 0dBm TX
 - 12,3mA @ 2Mbps data rate RX
- **RF Power: 0—20 dBm**
- **Sensitivity: <90dB @2,4GHz**
- **1 x Digital Input**
- **1 x Digital Output**
- **2 x One-Wire**
- **RS232**
- **RS485**
- **Battery Life: 1—5 Years**
(Depends on working conditions)
- **Dimensions: 82,5x65x45 mm**
- **IP67 Water Proof**
- **Operational Temp: -20°C to +50°C**
- **Internal Antenna**
- **External Antenna (Optional)**

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