



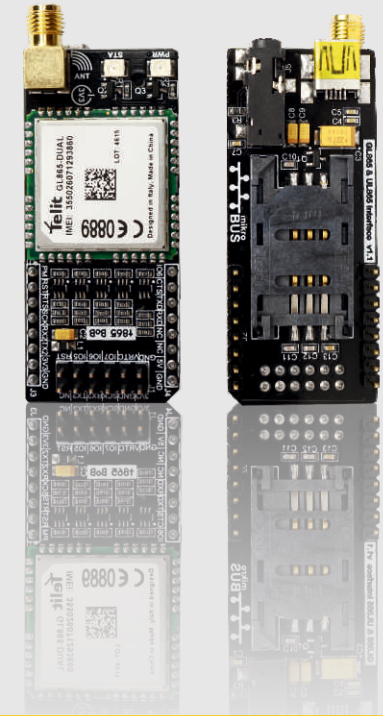
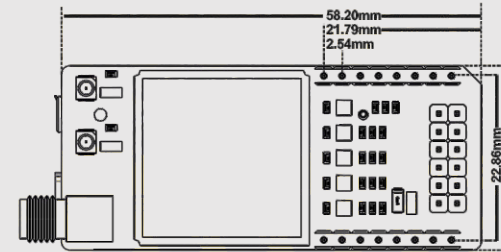
**t865 BoB**

**P/N Versions:**

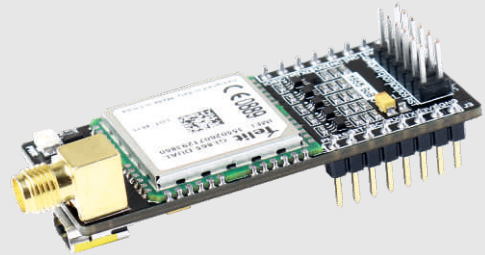
"t865-BoB\_2G"  
"t865-BoB\_3G"

## FEATURES

- ⊙ **Band:**  
900 / 1800 MHz @ BoB\_2G  
850 / 900 / 1800 / 1900 / 2100 MHz @ BoB\_3G
- ⊙ **Control via AT commands:**  
GSM 27.005, 27.007 and Telit custom AT Commands
- ⊙ **Embedded Programming:**  
Python 1.5.2 @ BoB\_2G  
Python 2.7 @ BoB\_3G
- ⊙ **Interfaces: SIM, 2 UART, Antenna, Analog & Digital Audio (@ BoB\_2G)**
- ⊙ **3 GPIO Ports available**
- ⊙ **FOTA (Firmware Over the Air)**
- ⊙ **Header Form Factor**
- ⊙ **PCB Dimension: 58.20 x 25.4 mm**
- ⊙ **Power (Green) - Status (Red) LEDs**



## INTRODUCTION



"t865 BoB" is a form factor with a mikroBUS structure. It is an effective and easy solution for adding GSM/GPRS solutions into your design. It features the Telit GL865-DUAL or UL865-EUR module, a SMA connector for an antenna, a SIM CARD socket. tGSM BoB communicates with the target board microcontroller via mikroBUS (Rx, Tx, Rx2, Tx2, RTS, CTS, Reset, GPIOs). Only for UL865-EUR Module, has USB Port. The Audio Connector is compatible with Iphone, Samsung, HTC headsets. It has two LED diodes for power indicator and status.

## APPLICATIONS

- ⊙ Telemetry
- ⊙ M2M ( Machine to Machine ) Systems
- ⊙ Wireless Sensor Networks
- ⊙ Home and Building Automation
- ⊙ Wireless Alarm and Security Systems
- ⊙ Industrial Monitoring and Control
- ⊙ Irrigation Systems
- ⊙ Temperature and Humidity Tracking Systems.

## POWER SUPPLY

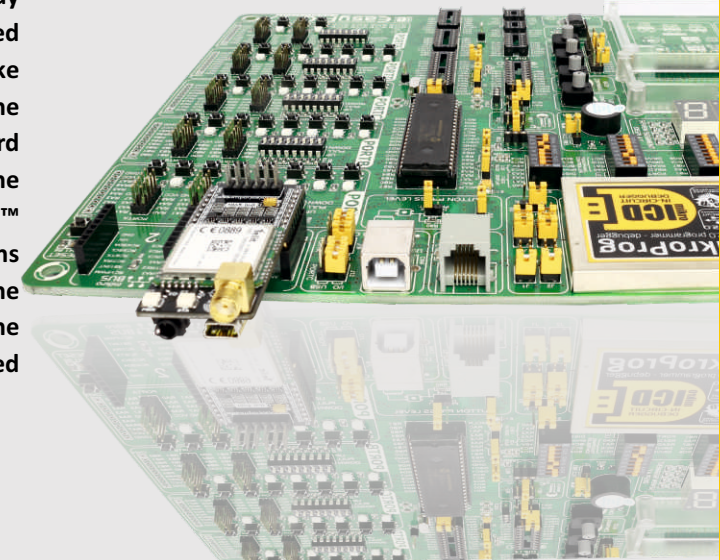


Power Supply Voltage: 3.3 V

Power Supply Current (Min) : 2 A

## PLUGGING THE BOARD

Once you have soldered the headers your board is ready to be placed into desired mikroBUS™ socket. Make sure to align the cut in the lower-right part of the board with the markings on the silkscreen at the mikroBUS™ socket. If all of the pins are aligned correctly, push the board all the way into the socket. your board is desired mikroBUS™ socket.



# SCHEMATIC SCHEMATIC

## MODULE SIDE

