

Wireless Protocol Modules 32001588xxx USB dongle

Communication Interface



Description

This document presents connection methodologies for communicating with 32001588xxx USB dongle.

Contents

1. Introduction.....	3
2. Connection to the PC	3
3. Antenna.....	4
4. Revision History	5

1. Introduction

This USB-Dongle has been developed to test the functionality and radio parameters of the modules 32001505xxx/32001605BE8SW.

The unit interfaces with the PC via USB port, thanks to the presence on board of an FTDI chip, and can be configured using a GUI. The software LoRaMiP GUI can be downloaded directly from the official Mipot website, link below.

<https://mipot.com/en/>

After logging in, in the product category, search for the product 32001505xxx (where xxx corresponds to the same version of the USB-dongle you have) or 32001605BE8SW. Here, in the documents section, there are two versions (32 and 64 bit) of the software.

2. Connection to the PC

Connect the USB – Dongle in any PC USB port.



Before connecting the USB-dongle to the PC, make sure that the antenna is mounted correctly, otherwise permanent damage to the device may occur.

Depending on the USB dongle version you can refer to the following documents for correct use of the device with the GUI.

32001588Axx	UG_WMB001
32001588Bxx	UG_TTN001
32001588Cxx	UG_MIP001
32001588Dxx	UG_MOD001
32001588Fxx	UG_DSM001
32001588BE8SW	UG_WMB001

As regards the list of commands to use, refer to the following list of documents:

32001588Axx	wMBus_Command_Reference
32001588Bxx	3200150xBxx_Command_Reference
32001588Cxx	3200150xCxx_Command_Reference
32001588Dxx	3200150xDxx_Command_Reference
32001588Fxx	3200150xFxx_Command_Reference
32001588BE8SW	wMBus_Command_Reference

3. Antenna

Below are listed the main characteristics that the antenna must have:

Center Frequency	868 MHz
Type	Passive Antenna
Impedance	50 Ω
Connector Type	SMA Male

4. Revision History

Revision	Date	Description
0.1	20.01.2025	First version
0.2	11.05.2026	Added 32001605BE8SW reference