GPIO

R
L

UART select

LoRa

antenna (sma)

RS485

USB

RJ11

RUN
Boot
power header

power led
user led

Setup

1. Plug the USB cable into the USB port.
2. While holding the 'Boot' button plug the other end of the USB cable in the computer.
3. 'RPI-RP2' should appear in This PC.
4. Drag and drop the bootloader (nw7.uf2) in the 'RPI-RP2' folder.
5. Download and install Thonny IDE.
6. In Thonny -> Run -> Select interpreter, select 'MicroPython (Raspberry Pi Pico) '
7. You are ready to go!

*Note: Arduino IDE is currently not supported !

Onboard communications

The uart select header is used to switch between RS485 and LoRa. Initially the two jumpers are placed so that UART 0 is connected to the RS485 IC to use LoRa move the jumpers on the next pair of pins.

To use the RJ11 port for RS485 when crimping your cable make usre that pin: 1/2 is connected to GND; 3/4 to B and 5/6 to A !

For more information refer to: nww.networker-nw.com or email us: networker@networker-nw.com