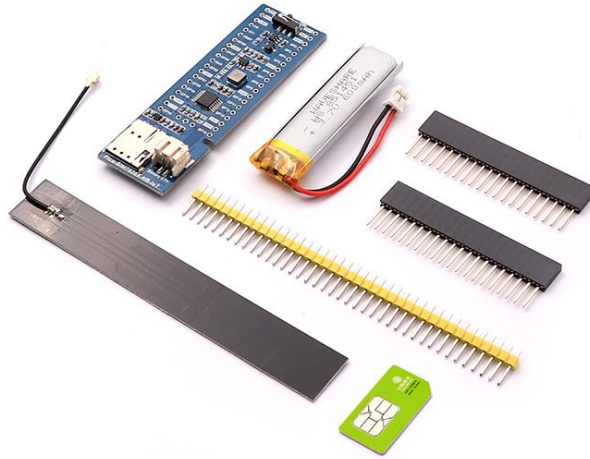


RaspberryPi

SIM7020E NB-IoT Module for Raspberry Pi Pico

User Manual

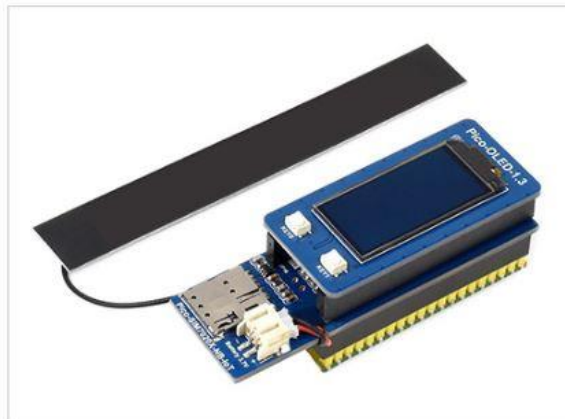


Raspberry Pi Pico Header Compatibility:

The Pico Can Be SMD-Mounted (Left), Or Attached Via Female Header (Right)

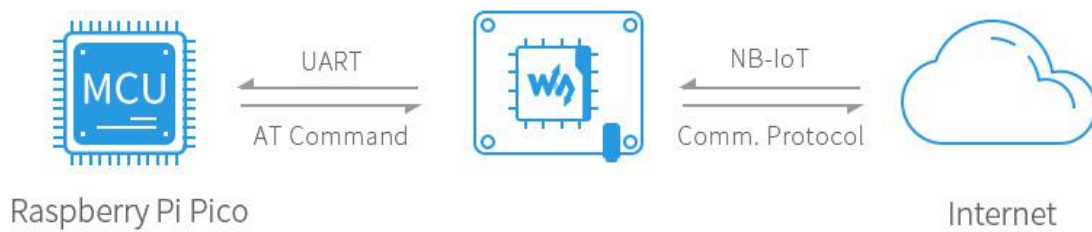


Connecting with Other Expansion Module and Antenna



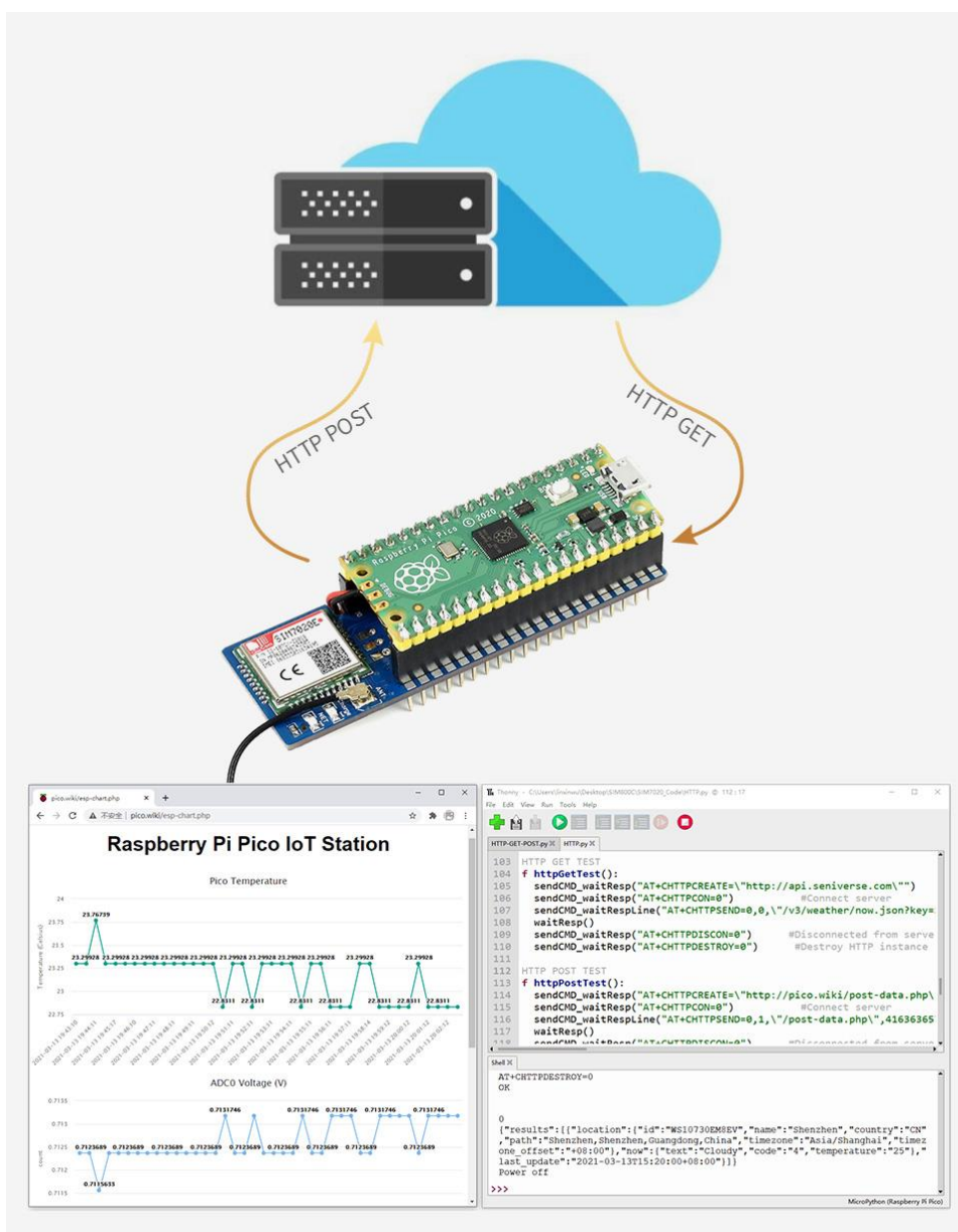
Cloud Communication:

Supports Communication Protocols Including: TCP/UDP/HTTP/HTTPS/MQTT/LWM2M/COAP/TLS

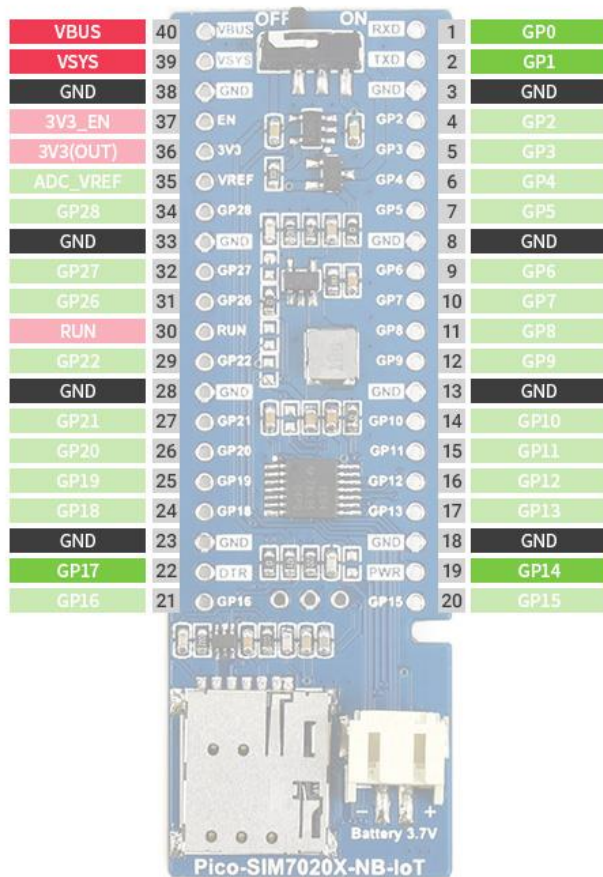


Application Example:

Via NB-IoT network, the Pico is able to fetch weather information by HTTP GET, and send its temperature to server via HTTP POST, then display it on webpage in real time



Pinout Definition:



VBUS		Power supply 5V~5.5V
VSYS		Power supply 3.7V~4.2V
GND		Ground
GP0	RXD	Module UART RX
GP1	TXD	Module UART TX
GP17	DTR	Used to wake-up module
GP14	PWR	Pull down to shutdown module