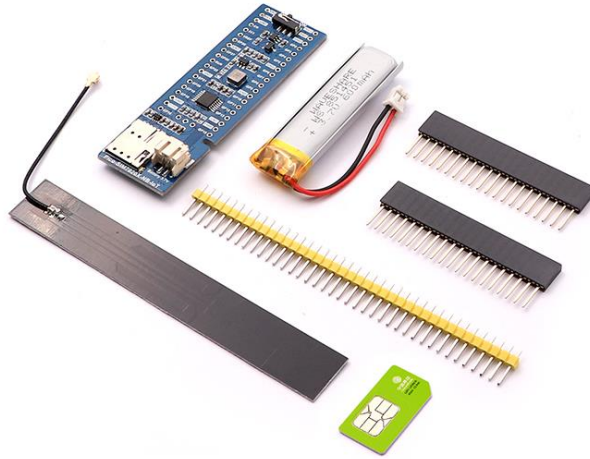


RaspberryPi

# ***SIM7020E NB-IoT Module for Raspberry Pi Pico***

## ***User Manual***

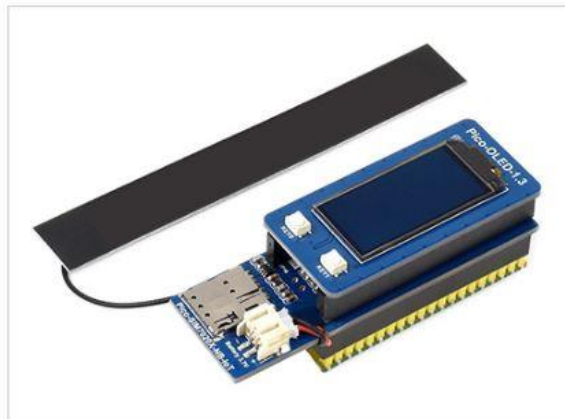


### **Raspberry Pi Pico Header Compatibility:**

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

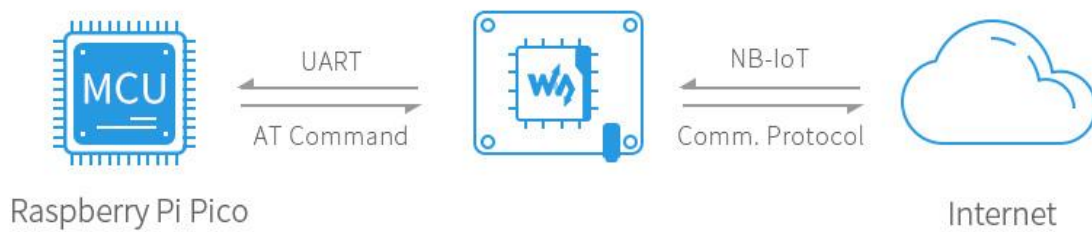


Connecting with Other Expansion Module and Antenna



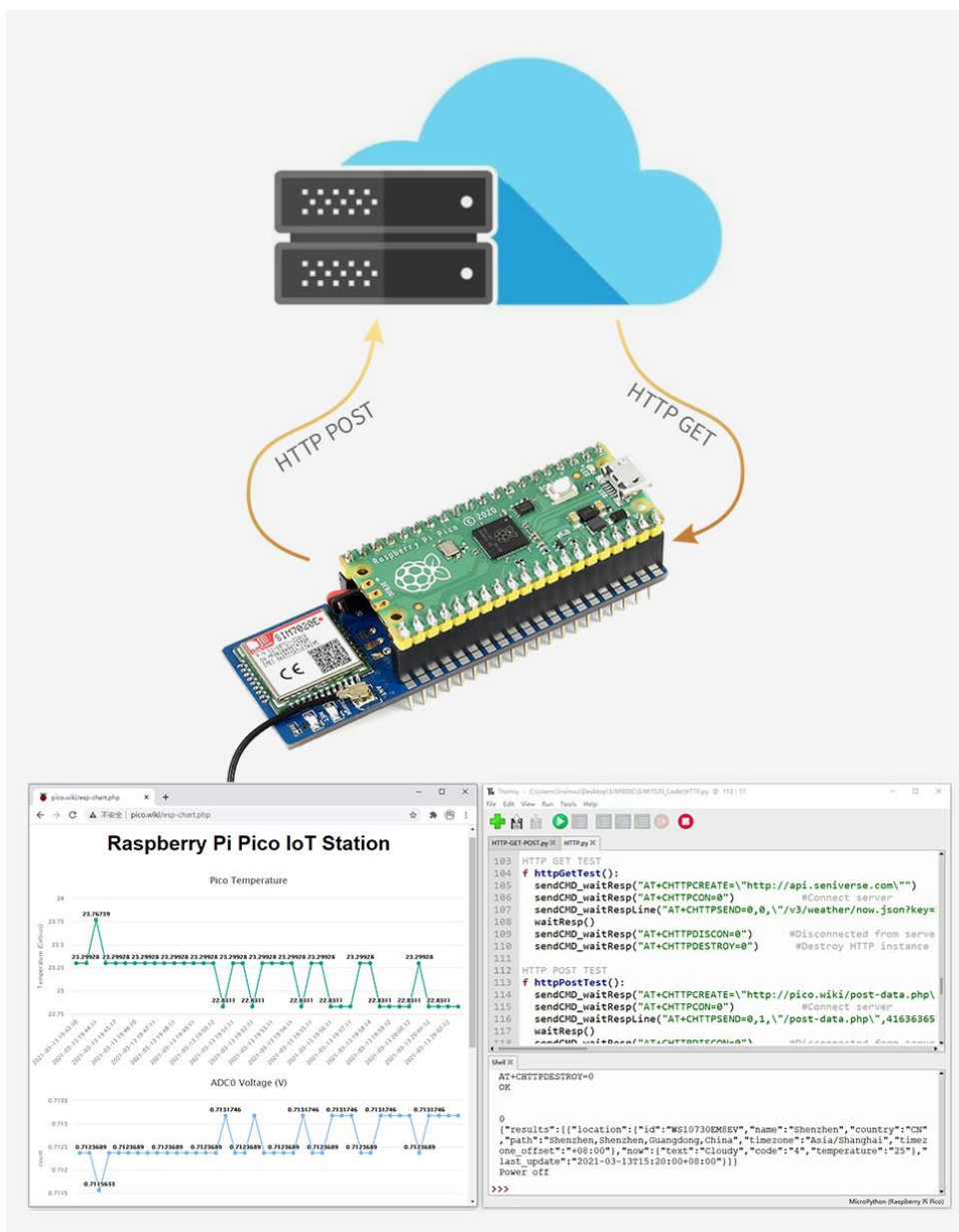
## Cloud Communication:

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

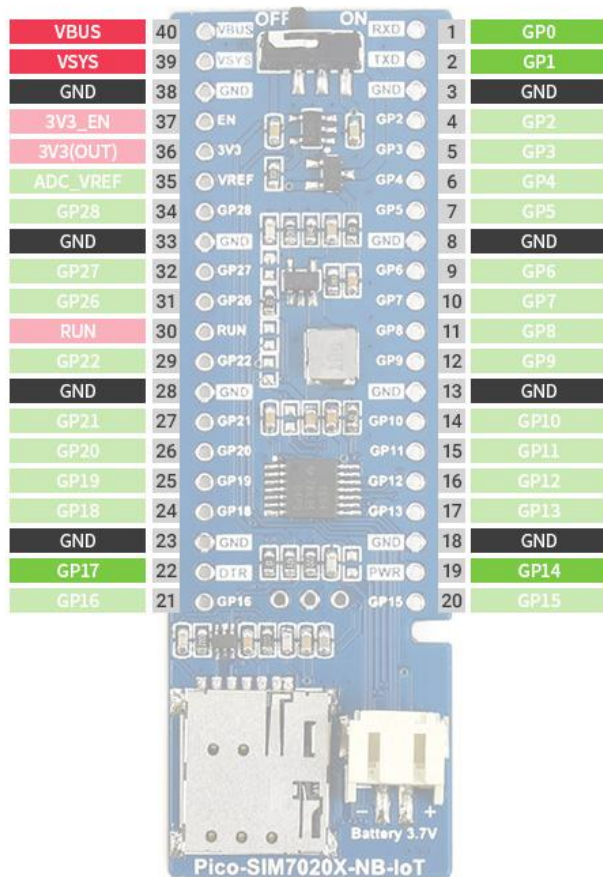


## Application Example:

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