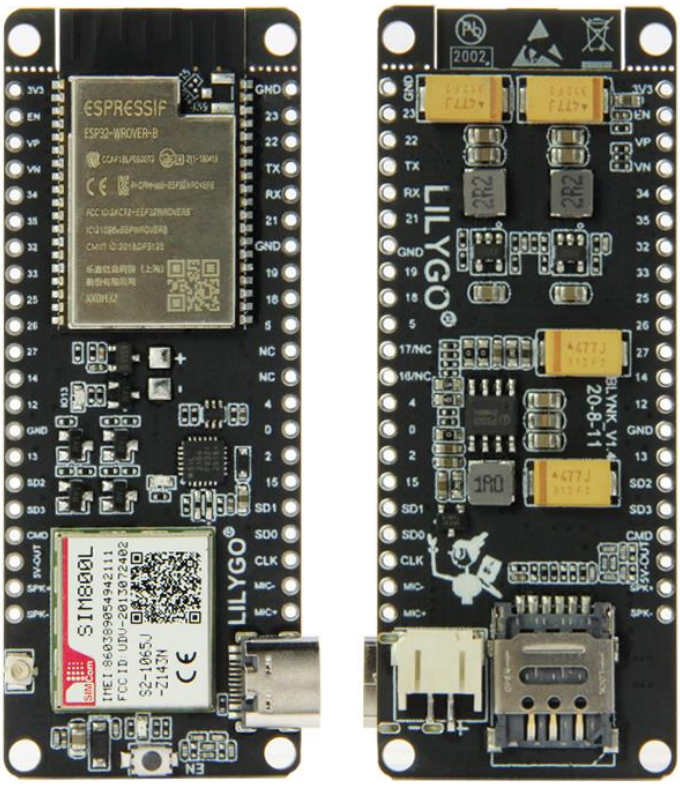
TTGO T-Call V1.4 ESP32 Wireless Module

SIM Antenna SIM Card SIM800L Module



Product Description

Hardware

Specifications

Chipset	ESPRESSIF-ESP32 240MHz Xtensa® single-/dual-core 32-bit LX6 microprocessor
FLASH	QSPI flash 4MB / PSRAM 8MB
SRAM	520 kB SRAM
Button	Reset
USB to TTL	CP2104
Modular interface	UART、SPI、SDIO、I2C、PWM、I2S、ADC
On-board clock	40MHz crystal oscillator
Working voltage	2.7V-3.6V
Working current	About 70mA

Sleep current	About 1.1mA
SIM card	Only supports Nano SIM card
Working temperature range	-40℃ ~ +85℃
Size&Weight	78.83mm*28.92mm*8.06mm(11.77g)
Power Supply Specifications	
Power Supply	USB 5V/1A
Charging current	500mA
Battery	3.7V lithium battery
JST Connector	2Pin 2.0mm
USB	Type-C

Wi-Fi

Standard	FCC/CE-RED/IC/TELEC/KCC/SRRC/NCC(esp32 chip)
Protocol	802.11 b/g/n(802.11n，speed up to150Mbps)A-MPDU and A-MSDU polymerization，support 0.4μS Protection interval
Frequency range	2.4GHz~2.5GHz(2400M~2483.5M)
Transmit Power	22dBm
Communication distance	300m

Bluetooth

Protocol	meet bluetooth v4.2BR/EDR and BLE standard
Radio frequency	with -97dBm sensitivity NZIF receiver Class-1,Class-2&Class-3 emitter AFH
Audio frequency	CVSD&SBC audio frequency

Software

specification

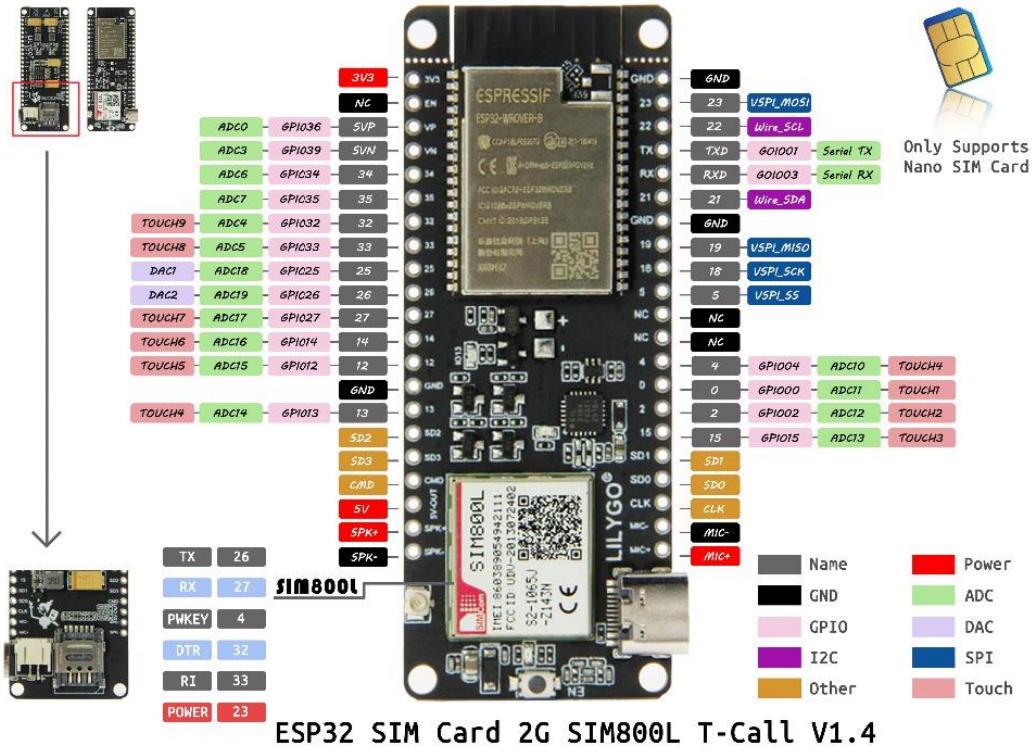
Wi-Fi Mode	Station/SoftAP/SoftAP+Station/P2P
Security mechanism	WPA/WPA2/WPA2-Enterprise/WPS
Encryption Type	AES/RSA/ECC/SHA
Firmware upgrade	UART download/OTA（Through network/host to download and write firmware）
Software Development	Support cloud server development /SDK for user firmware development
Networking protocol	IPv4、IPv6、SSL、TCP/UDP/HTTP/FTP/MQTT

User Configuration	AT + Instruction set, cloud server, android/iOSapp
OS	FreeRTOS

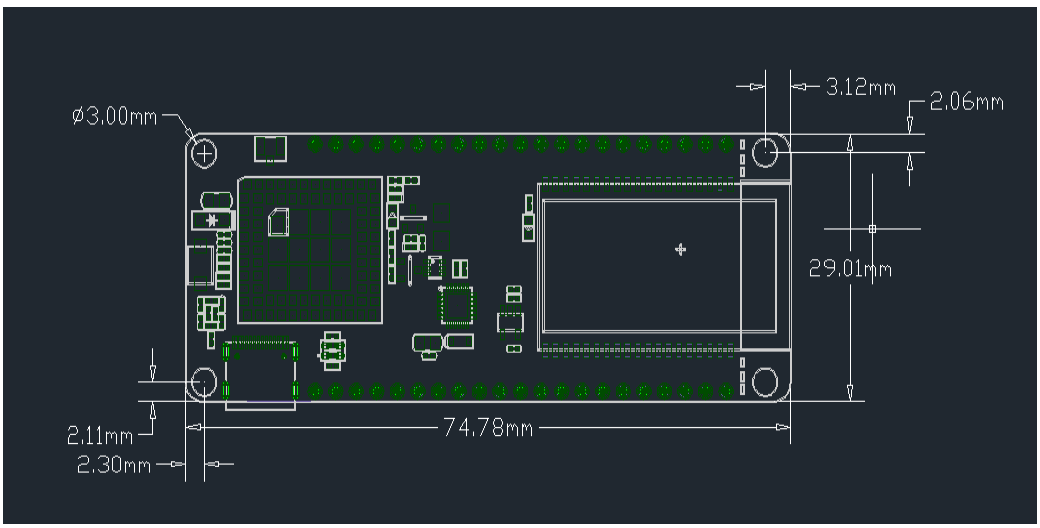
More Information:
https://github.com/Xinyuan-LilyGO/LilyGo-T-Call-SIM800

T-Call V1.4 Pin Diagram:

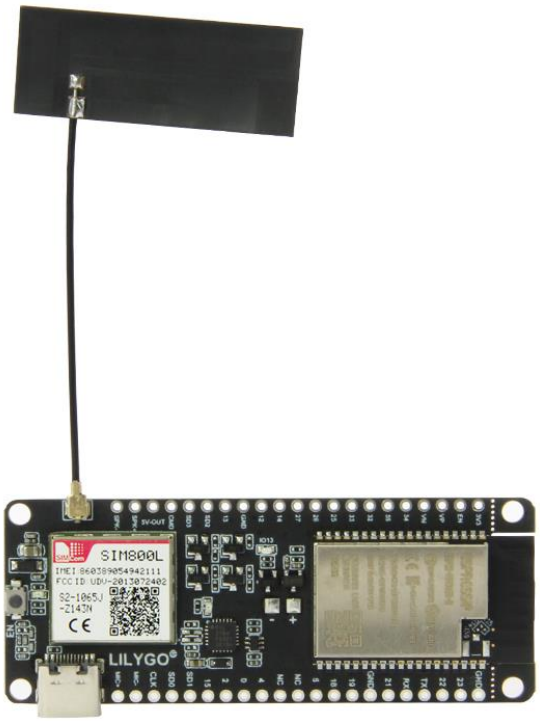
Connect the power supply, click to start, after start, click to reset, click twice to shut down.

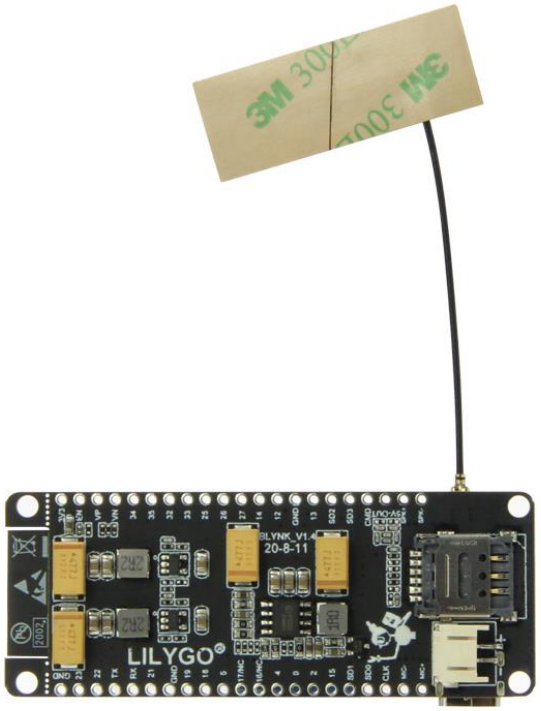


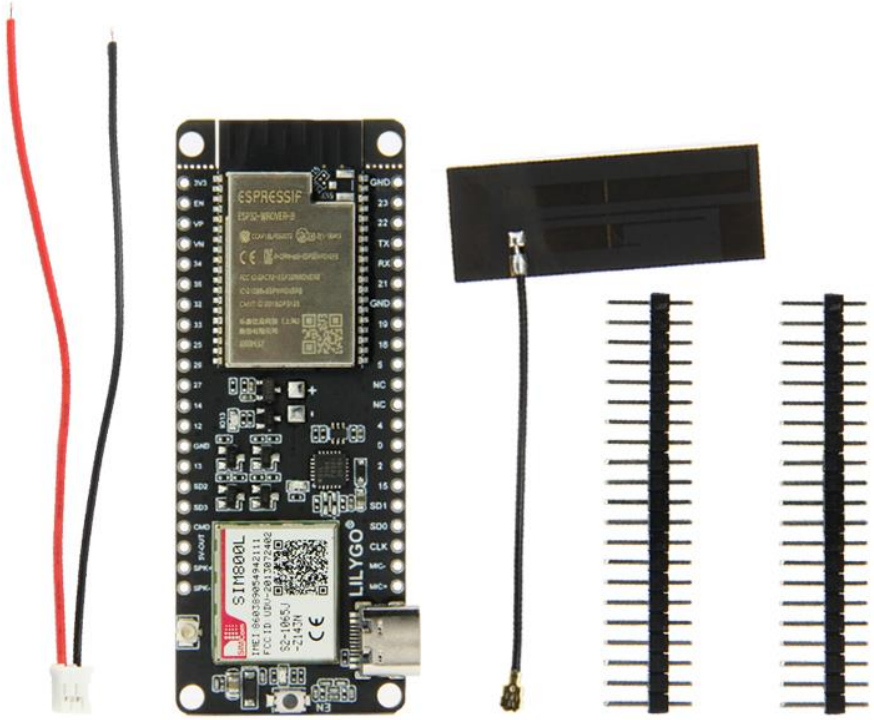
T-Call V1.3 Size Chart



Product Detail



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