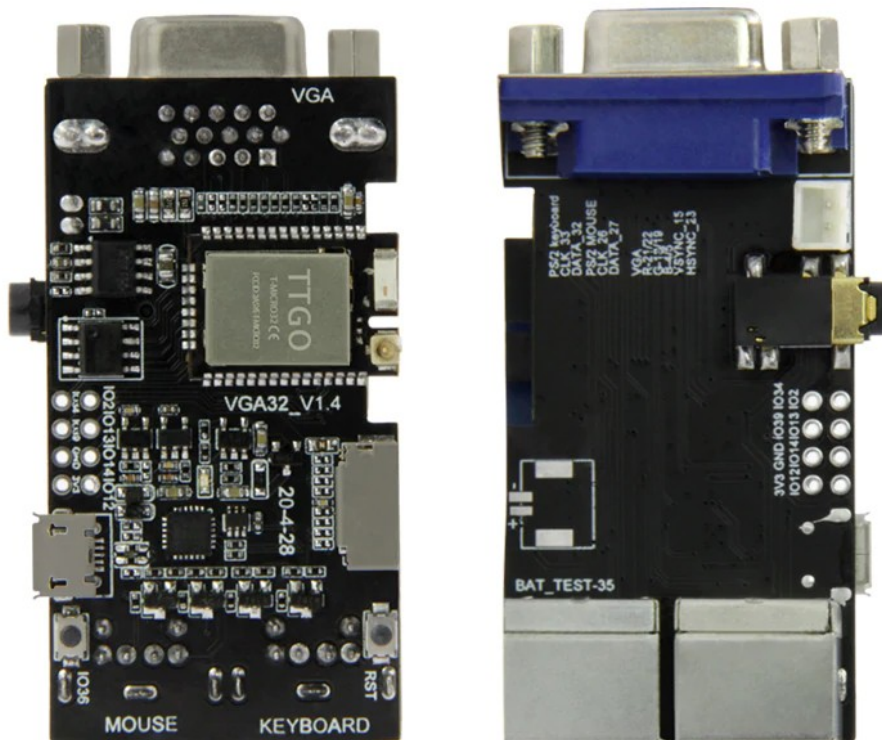


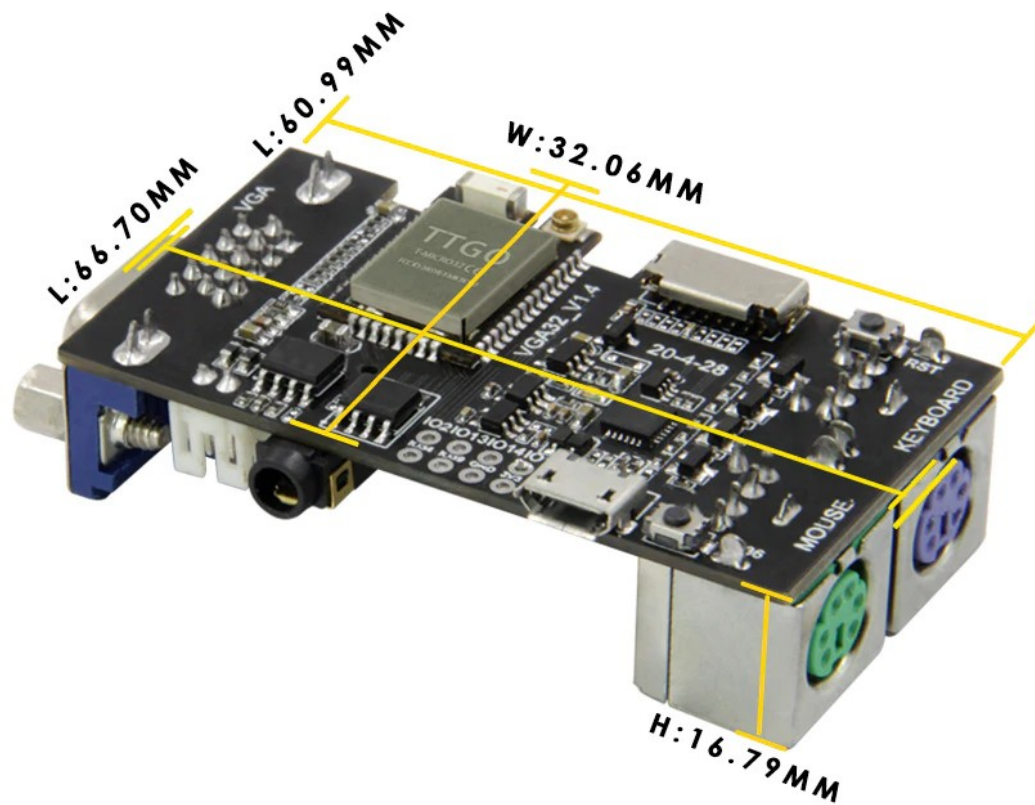
TTGO VGA32 V1.4 Controller PS

TTGO VGA32 V1.4 Controller PS/2 Mouse And Keyboard Controller Graphics
Library Game Engine And ANSI/VT Terminal For The ESP32



TTgô[®]
BY LILYGO[®]

Product Size



WITHOUT VGA : 60.99MM*32.06MM*16.79MM

WITH VGA : 66.70MM*32.06MM*16.79MM

Product Display

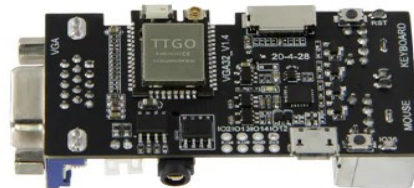
01



02



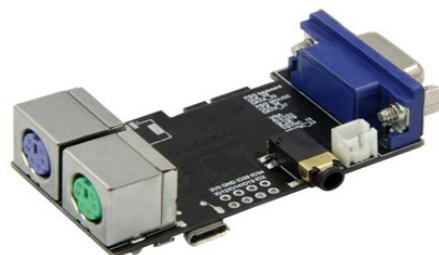
03



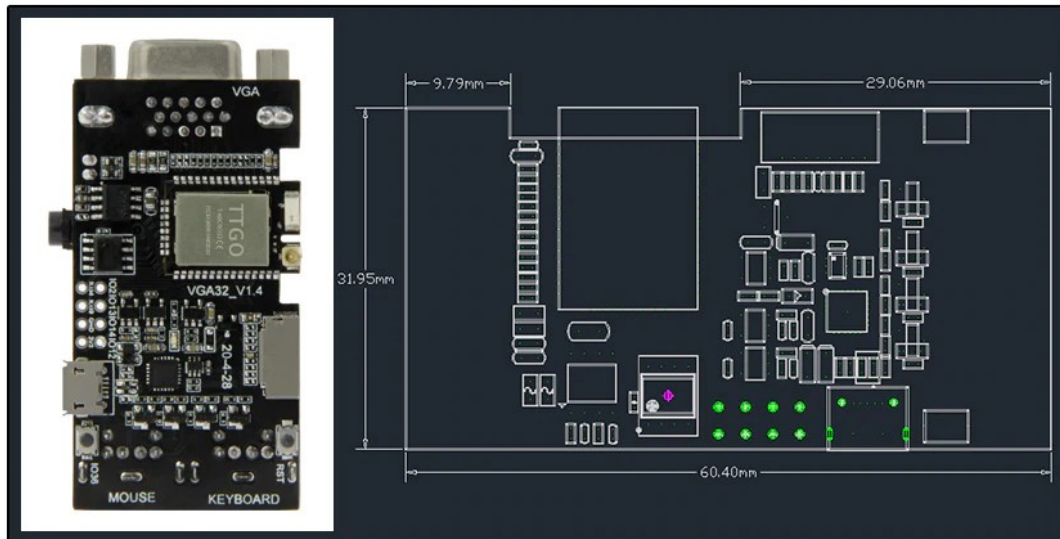
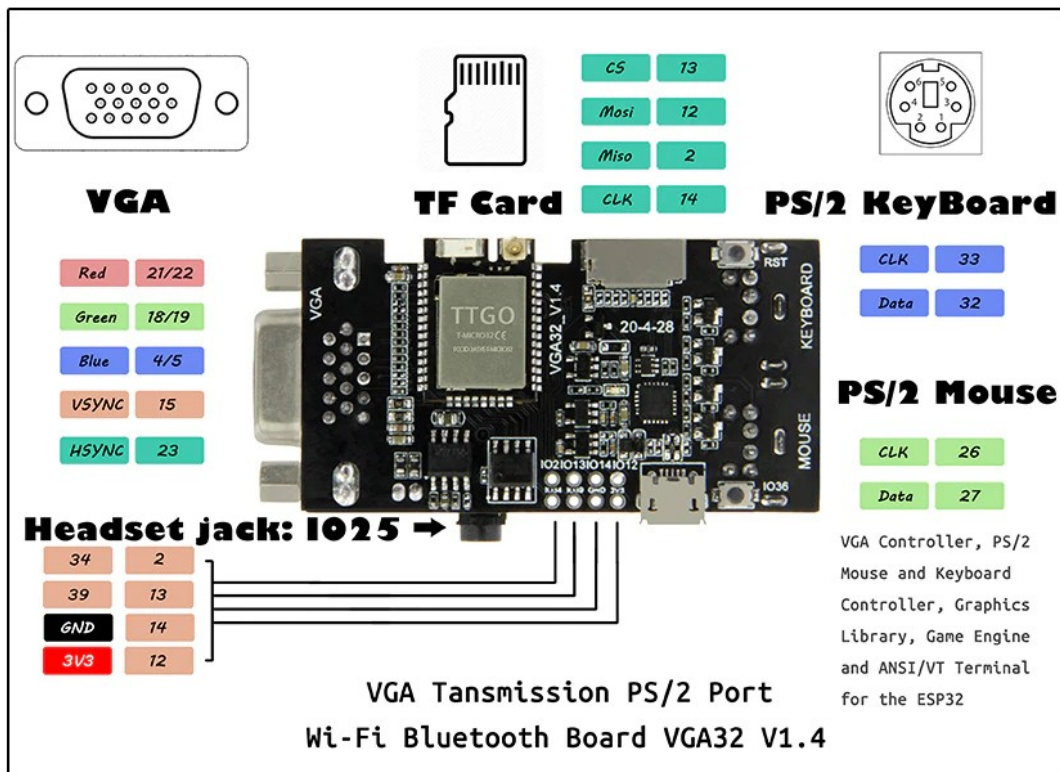
04



05



Product Detail



Hardware Specifications

Chipset	TTGO Micro32
FLASH	QSPI flash 4MB
SRAM	520 kB SRAM
Button	reset, IO36
Extended function	VGA , PS/2
USB to TTL	CP2104
Modular interface	UART、SPI、SDIO、I2C、LED PWM、TV PWM、I2S、IRGPIO、capacitor touch sensor、ADC、DAC/LNA pre-amplifier
On-board clock	40MHz crystal oscillator
Working voltage	2.7V-3.6V
Working current	about 30mA
Sleep current	230uA
Working temperature range	-40℃ ~ +85℃
Size&Weight	without VGA : 60.99mm*32.06mm*16.79mm with VGA : 66.70mm*32.06mm*16.79mm 21.25g

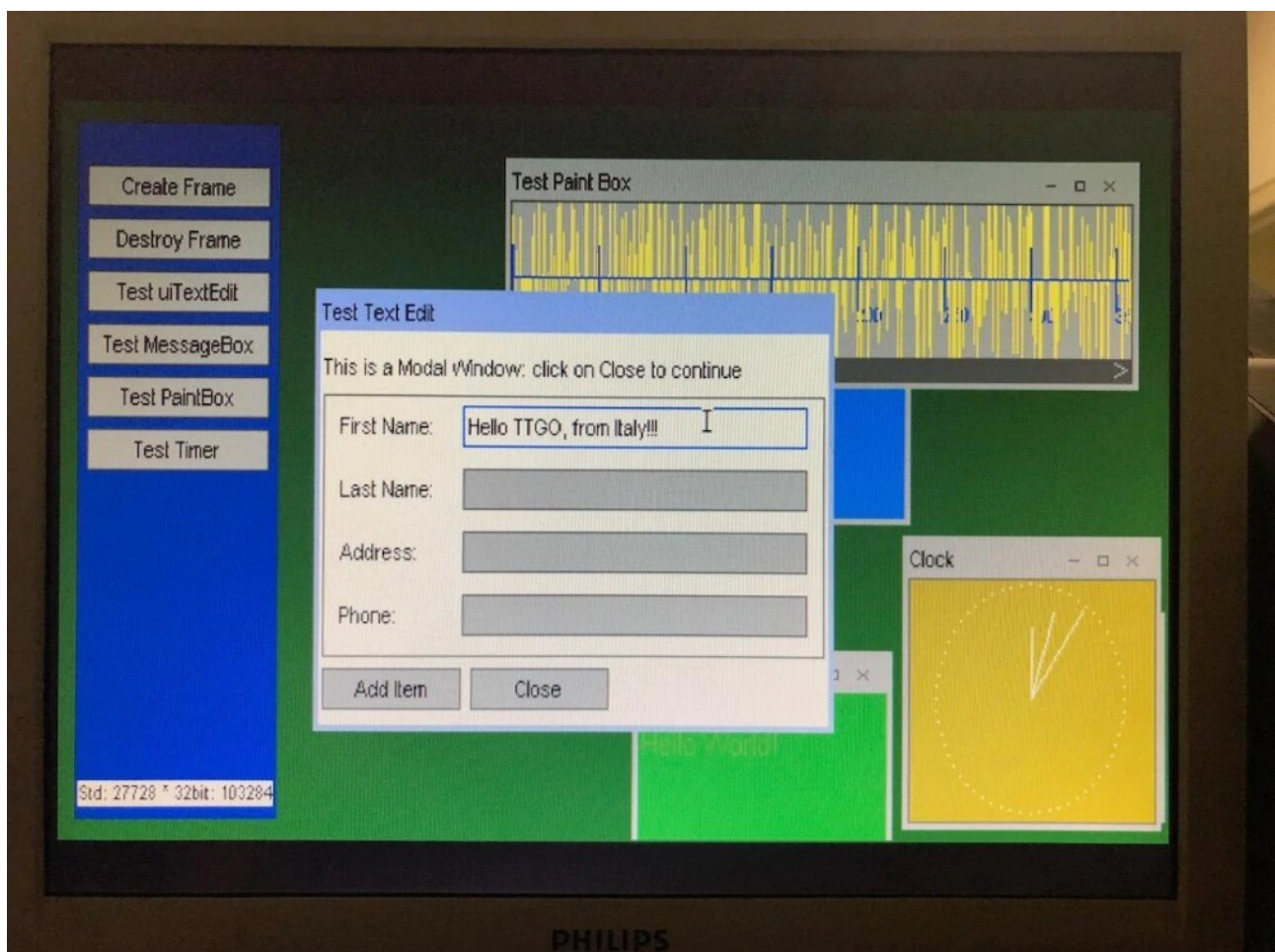
Power Supply Specifications

Power Supply	USB 5V/1A	Charging current	500mA	Battery	3.7V lithium battery
--------------	-----------	------------------	-------	---------	----------------------

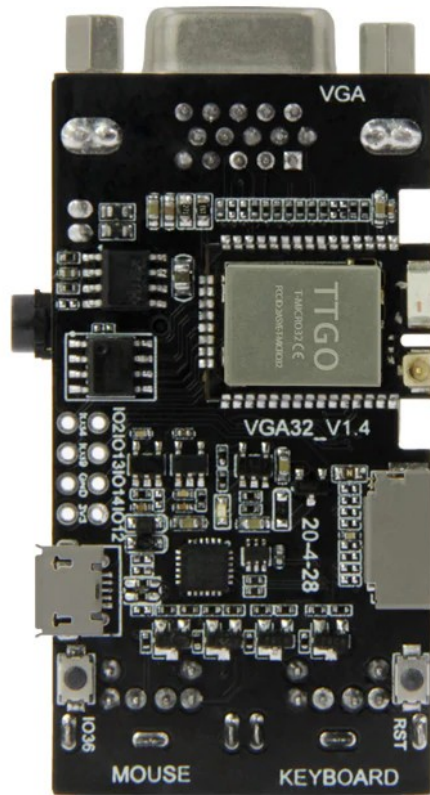
Wi-Fi Description

Standard	FCC/CE-RED/IC/TELEC/KCC/SRRC/NCC
Protocol	802.11 b/g/n(802.11n, speed up to 150Mbps)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 Description	
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 Description	
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
Add Function	Audio Frequency



Shipping List



1 x TTGO VGA Controll