seeed studio

INDUSTRIAL PRODUCT DATASHEET

WT32-SC01 Plus - ESP32 development board With 3.5 Inch LCD IPS Display Touch Screen

WT 32-SC 01 Plus is a development board for visual touch screen, the board is equipped with GUI platform firmware developed independently, supports graphic drag and drop programming to help users complete the development of customized control platform. It is ideal for implementing smart home.

SKU
104990762

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Overview



Figure 1. 1049907621 Wt32 3.5 Inch Display 45Font

WT 32-SC 01 Plus is a development board for visual touch screen, the board is equipped with GUI platform firmware developed independently, supports graphic drag and drop programming to help users complete the development of customized control platform. It is ideal for implementing smart home.

Key Features

01

Powerful development firmware

Equipped with GUI platform firmware allows users to customize their own personalized control scheme. Graphical programming makes development easier

02

LCD with capacitive multi-touch panel

RGB colorful display and visual touch operation are more convenient to make interaction

03

Rich extension interfaces

Customize functions such as button operation, voice control, and camera operation through the expansion interfaces

04

Highly integrated MCU

The ESP32-wrever-b MCU is a Wi-Fi + Bluetooth + Bluetooth LE module suitable for various applications. It can be used in low-power sensor networks and important applications

05

Easy to assemble

The small size of the motherboard can be perfectly combined with the user's products through the buckle, saving space and cost

Product Gallery



Figure 1. 1049907621 Wt32 3.5 Inch Display Font



Figure 2. 1049907621 Wt32 3.5 Inch Display Back



Figure 3. 1049907621 Wt32 3.5 Inch Display 45Back



Figure 4. 1049907621 Wt32 3.5 Inch Display All



Figure 5. 1049907621 Wt32 3.5 Inch Display Size

Specification

Basic Parameters:

Basic Parameters	
MCU	WT32-S3-WROVER-N16R2
Supply Power	DC 5V 2A
Power management	Two LDOS of 3.3V output
Capacity	2Mbyte PSRAM+ 16Mbyte Flash
working current	240mA
Working Temperature	-20°C~70°C
Dimensions	60mm*92mm*10.8mm
Display Parameters	
Display Type	LCD
Driver IC Model	ST7701
Viewing Angle	FULL

Applications

Smart Home

Environment Monitoring

Intelligence Appliance

Temperature Controller

Home Automation Control

IoT Wearable Devices

Part List

WT32-SC01 Plus	×1
Type-C Cable	×1

Compliance & Logistics

HSCODE	8517180050
USHSCODE	8517180050
UPC	
EUHSCODE	8543709099
COO	CHINA

Logistics	Value
ECCN	EAR99
HSCODE	8517180050
USHSCODE	8517180050
EUHSCODE	8543709099
COO	CHINA

Resource Links

- https://www.seeedstudio.com/WT32-3-5-Inch-Display-p-5542.html
- WT32-SC01Plus - Datasheet
- LVGL project for wireless-tag WT_32_SC01 - Github
- flash_download_tool_v3.8.8.zip

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