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130mm

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reTerminal D1001

ESP32-P4 8" LCD Touch Display

Quick Start Guide

Important Information

Compliance

This device complies with FCC Part 15 (USA) and EU EMC Directive.

Safety

For indoor use only at ambient temperature < 40°C. Use with a certified power adapter.

Disposal

Do not dispose of with household waste.

FCC Notice

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF Warning for Mobile Device

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. This device should be installed and operated with minimum distance 20cm between the radiator & your body.

Product Overview

① Microphone 1

② Camera

③ Microphone 2

④ LED

⑤ Power Button

⑥ 8" Touchscreen

⑦ 4G SIM Card Slot

⑧ Antenna Connector

⑨ USB-C Port

⑩ Boot Button

⑪ Reset Button

⑫ Micro SD Card Slot

Specifications

SoC	ESP32-P4NRW32 w/ 32MB PSRAM
Flash	32MB QSPI Flash
Wireless	ESP8266, Wi-Fi 6 & BLE
Display	8" IPS Touchscreen Display, 1280 x 800
Camera	2MP, 5C2356
Microphone	Dual Microphone
4G	LTE Cat1 (Optional)
Audio	2W Speaker
LED	RGB User LED
Battery	2500mAh
USB	Type-C for Charging and Programming
Operating Temp.	0~40°C (32~104 °F)
Dimensions	200 x 136 x 25 mm
Certifications	FCC, CE, RoHS

Installation

The reTerminal D1001 comes with a 3D-printed support stand accessory that allows you to position the device upright for optimal viewing:

Step 1. Locate the 3D-printed support stand included in the package.

Step 2. Position the support stand against the designated mounting area on the bottom back of the reTerminal D1001 where the embedded nuts are located.

Step 3. Use a long screwdriver to secure the stand to the device by tightening the screws into the embedded nuts on the back of the reTerminal D1001.

Step 4. Once securely attached, place the reTerminal D1001 on a flat surface where the stand will support it in an upright position.

See the figure below:

Get Started

1. Check the Package

- reTerminal D1001 8" Touch Display x1
- USB Type-C Cable x1
- 3D Printed Stand with Screw and Screwdriver x1
- Quick Start Guide x1

2. Power On

Press and hold the Power button until the screen lights up. If the screen doesn't respond, connect the USB-C cable to charge the device first.

3. Use the Device

- Explore: Tap the screen to interact with pre-loaded applications.
- Get Creative: Visit our official wiki for advanced tutorials and guides.

4. Get Help

- Customer & Tech Support: Submit a ticket on our Help Center.
- Community Sharing Join our Discord Server to explore and share with fellow users.

Help Center

<https://aftersale.seeedstudio.com/>

Discord

<https://discord.gg/QqMgVvHT3X>

ALL DIMENSIONS IN MM

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