

reTerminal E Series ePaper Display

SKU: 100073581, reTerminal E1001 7.5" Monochrome ePaper Display

SKU: 100017057, reTerminal E1002 7.3" Full-color ePaper Display



Order Product

Beautiful, Ready-to-Use ePaper Display Powered by ESP32-S3

Ultra-Low Power, up to 3 months battery life

7.5" Monochrome & 7.3" Full-Color E-Ink with 800x480 resolution

No-Code UI Design & Deployment with SenseCraft HMI

FCC, CE, TELEC, RoHS Certified



Create Your Own UI with SenseCraft HMI Effortlessly

Dynamic Data Configuration

- Pictures
 - Onboard Sensors
 - Web APIs
 - RSS
- Local Upload
- Web Data

No-code UI Design

- Canvas with Drag-and-drop Widgets
- UI Templates
- AI UI Generation & Fine-Tuning

One-Click Deployment for Your Dashboard Display

- Digital Frame
- Weather Forecast
- TO-DO List
- News RSS panel
- Calendar
- Shop Menu

Supported Software Ecosystem



SenseCraft HMI



Home Assistant via ESPHome



TRMNL



Arduino/PlatformIO

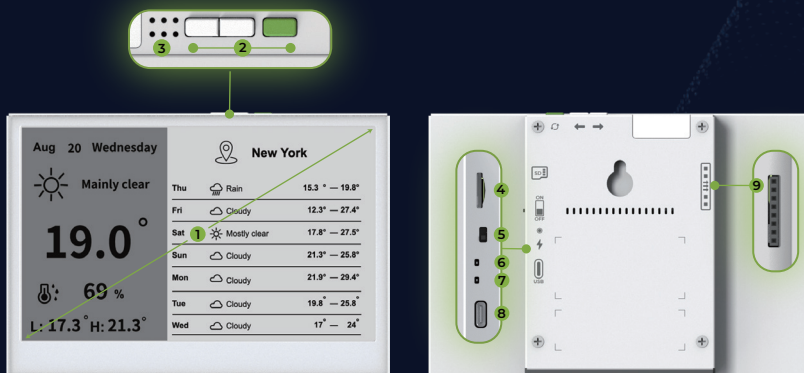


ESP-IDF

Application



Hardware Overview

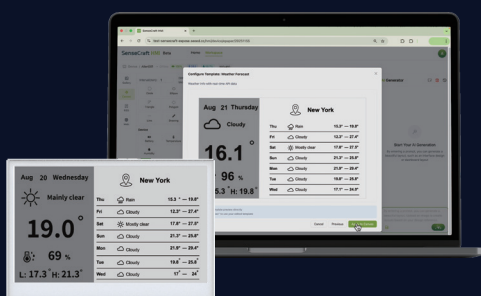


- 1 7.3"/7.5" Screen
- 2 Button
- 3 Microphone
- 4 Micro SD Card Slot
- 5 Power Switch
- 6 Status LED
- 7 Power LED
- 8 USB-C Port
- 9 Expansion Port

Hardware Overview

Product Name	reTerminal E1001	reTerminal E1002
Processor	ESP32-S3 with 8MB PSRAM	
Storage	32MB Flash, support Micro SD card	
Display	7.5" Monochrome	7.3" Full-Color
Resolution	800x480 Pixels	
Micro SD Card	Maximum support 32GB FAT32 format	
Wireless Connectivity	2.4GHz 802.11 b/g/n Wi-Fi, Bluetooth 5.0	
Sensors	Temperature, humidity sensors	
Microphone	Reserved for voice interaction application	
Buzzer	Buzzer for sound alert	
Battery	2000mAh	
Power Input	USB-C 5V/1A	
Working Temperature	0-40°C	
Dimensions	176mm*120mm*53mm(With Stand)/17mm(Without Stand)	

Open for Flexible Hardware & Software Customization



Leveraging Seeed Studio's extensive OEM/ODM expertise, the reTerminal E Series is an open source hardware that we offer as a reference design for your customization to meet your exact needs.

-  Customize Logo
-  Flash Firmware
-  Branding and Labeling
-  Certifications
-  Add/Remove Functional Modules
-  Modify I/O Ports
-  Design Enclosure

