

INDUSTRIAL PRODUCT DATASHEET

reTerminal E1004 13.3" Full-color ePaper Display

reTerminal E1004 13.3" Full-color ePaper Display: a battery-efficient E Ink® Spectra™6 HMI with no-code SenseCraft Seedash deployment, local MicroSD privacy, and versatile smart display applications.

SKU

100064156

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PRICE

\$279.90(Excl. VAT)



Overview



The reTerminal E1004 13.3" Full-color ePaper Display is a fully assembled HMI with an aluminum frame, a 1200×1600 E Ink® Spectra™6 full-color e-paper display, and an Espressif ESP32-S3, delivering paper-like viewing with photo updates in about 20 seconds. It supports no-code UI design and deployment via SenseCraft Seeedash, local MicroSD content playback, ESPHome and Home Assistant integration, and up to 6 months of battery life in Low-Power Mode, making it suitable for low-power color photo frames, family information boards, smart office displays, and retail & public information displays.

Key Features

Note:

- The reTerminal E Series Display supports SenseCraft HMI by default firmware.
- SenseCraft HMI has officially been renamed to **SenseCraft Seeedash**. All your existing content remain available as before.
- The SenseCraft Seeedash platform is now in the beta trial stage, and the functions will be continuously improved. At present, there is a limit to the number of AI generation and UI generation.
- Compared with printed photos, reTerminal E1004 delivers a paper-like viewing experience while allowing photo updates in about 20 seconds.
- If you need a smaller ePaper panel, **7.5" monochrome** and **7.3" full-color** versions are also available.
- Compatible with ESPHome and Home Assistant, making it ideal for building a touch-enabled smart home dashboard.
- **High-resolution, Beautiful and Ready-to-Use E Ink® Spectra™6 Color ePaper Display**

The reTerminal E1004 is presented as a fully assembled human-machine interface (HMI) with an aluminum frame, featuring a 1200×1600 E Ink® Spectra™6 full-color e-paper display. Powered by Espressif's ESP32-S3, it delivers vivid visuals and crisp text straight out of the box—no extra setup required.

- **No-Code UI Design & Deployment with SenseCraft Seeedash**

Design and deploy personalized dashboards effortlessly with SenseCraft Seeedash(**SenseCraft Seeedash**), our new AI-powered no-code platform. Create your UI through simple drag-and-drop elements, choose from our rich template library, or let AI help you. Connect real-time data from onboard sensors or web APIs, then deploy your finished dashboard to reTerminal E1004 display with just a few clicks. From design to data configuration to deployment, everything happens seamlessly on one single platform.

- **Image Slideshows with Live Data Sync&Battery Lasts for Months**

Equipped with a built-in 5000mAh battery and engineered for maximum power efficiency, the reTerminal E1004 runs for up to 6 months on a single charge in Low-Power Mode(6-hour refresh interval). Place it anywhere—on your desk, mounted on a wall, or in any space—without worrying about frequent recharging. Supports automatic image carousel and real-time data updates, creating a "breathing" smart photo frame!

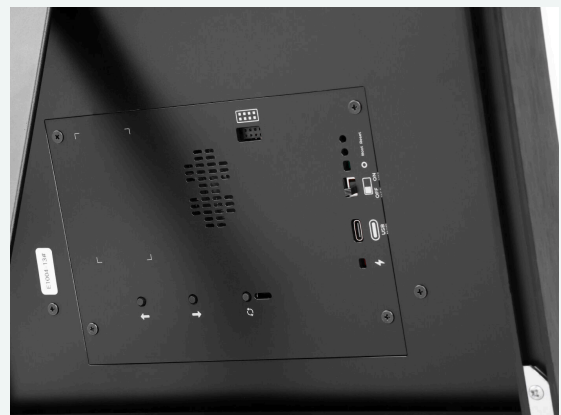
- **Adapting to decoration and display needs in different scenarios**

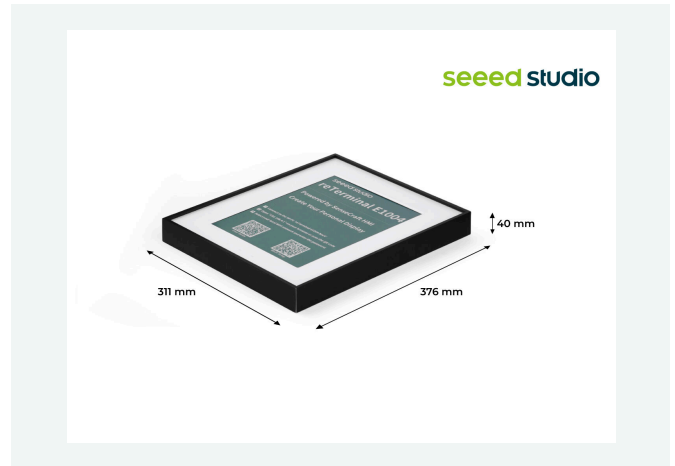
Wire-free for more freedom; supports wall-mount/desktop placement, one-click switch between portrait and landscape modes, adapting to decoration and display needs in different scenarios

- **Display Your Content Locally with More Privacy**

With MicroSD card support, the reTerminal E1004 lets you bring your favorite images directly from your computer to the display. No account or cloud upload is required for this local workflow—simply save the files to the card and insert it into the device. Your content remains on your own storage, making it suitable for private photo displays, family information boards, and personalized visual spaces.

Product Gallery





Specification

Product Name	reTerminal E1004
Processor	ESP32-S3 with 8MB PSRAM
Storage	32MB Flash (16GB SD Card included)
Display	13.3" Full Color
Resolution	1200x1600 Pixels
Micro SD Card	FAT32 format (Maximum support 32GB SD card)
Wireless Connectivity	2.4GHz 802.11 b/g/n Wi-Fi, Bluetooth 5.0
Touch Buttons	Image refresh and switching
Sensor	Temperature, humidity sensors
Buzzer	Buzzer for sound alert
Battery	5000mAh
Power Input	USB-C 5V/1A
Software	Default firmware support SenseCraft Seeedash(SenseCraft Seeedash)
Working Temperature	0-40°C
Dimensions	376mm*311mm*40mm

Applications

- **Low-power color electronic photo frame:** With SenseCraft HMI or the App, you can easily upload a series of photos from your album remotely online. Combined with a large, high-resolution color e-ink screen, it achieves ultra-low power image display, no longer have to worry about battery life.
- **Family Information Board:** Displays colorful images or photos, keeps track of calendars, notifications, weather, or news, serving as a stylish and energy-efficient information display board.
- **Smart Office Displays:** Show meeting room availability, office schedules, or directional guidance in low-power, always-on ePaper displays.
- **Retail & Public Information Displays:** Low-power ePaper signs for menus, schedules, or occupancy indicators with long battery life.

Part List

reTerminal E1004 ePaper Display	X1
USB Type-C cable	X1
Display stand with screw	X1
Screw driver	X1
Frame hooks	X2

Compliance & Logistics



HSCODE	8543709990
USHSCODE	8517180050
UPC	
EUHSCODE	8543709099
COO	CHINA

FCC Requirement

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.

15.21

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.

If not installed and used in accordance with the instructions, it 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.

Resource Links

- <https://www.seeedstudio.com/reTerminal-E1004-p-6692.html>

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