# Great Power in the Ultra-Slim Body

## 2.13-inch Ultra-thin ESL
## DS021 SPECIFICATION

Datasheet V1.0
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MINEW | TAG

# DS021


## BRIEF INTRODUCTION

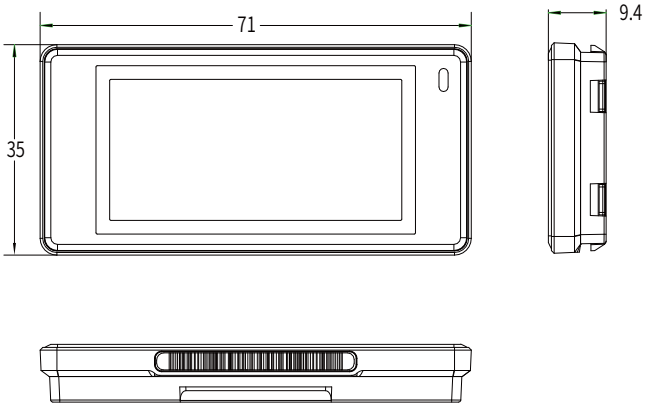
DS021 is a 2.13-inch super-thin ESL independently developed by MinewTag, utilizing the latest Bluetooth® Low Energy 5.0 Technology. It features a 9.4mm ultra-thin design, secure and fast data transfer, and agile, flexible screen refresh. Adopting the latest E-ink display technology, DS021 provides a fully-graphic display and paperlike appearance. With the 2.5D transparent shell, it delivers a nearly 180° viewing angle for excellent readability.

## SPECIFICATION

| | |
|---|---|
| Material | AC2300 |
| Color | White |
| Dimension | 71*35*9.4 mm |
| Display Technology | EPD |
| Screen size | 2.13-inch |
| Display Area | 49*24mm |
| Resolution | 250*122 px |
| Pixel Density | 130 dpi |
| Weight | 25g |
| Battery Lifetime | 7 years (5 updates/day) |
| Fixing Ways | Shelf Rail/Paste etc. |
| Display Color | Black White Red |

## HIGHLIGHT

- Updating in seconds
- 7-year battery lifetime (5 updates/day)
- REST API
- LED location indicator
- Managed by Cloud/APP
- Custom templates
- 2.5D transparent shell
- 9.4 mm ultra-thin design




## TECHNICAL PARAMETER

| | |
|---|---|
| Communication Protocol | Bluetooth®Low Energy 5.0 |
| Battery | CP312750 |
| Battery Capacity | 1030 mAh |
| Transmitting Distance | 70-80 Meters |
| Working Humidity | 50±20%RH |
| Operating Temperature | 0°C-40°C |
| Storage Temperature | -20°C-60°C |

# FCC WARNING

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.
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

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