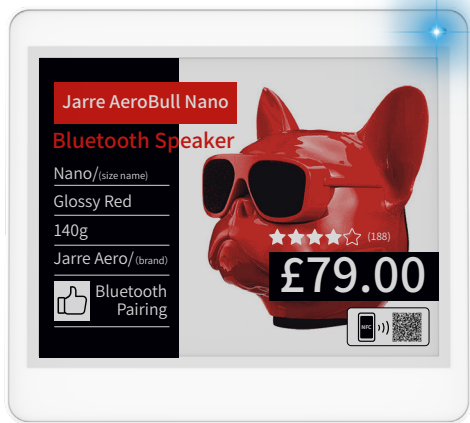


Great Power in the Ultra-Slim Body

4.2-inch Ultra-thin ESL DS042 SPECIFICATION

Datasheet: V1.0
Publish Date: 11.2023





HIGHLIGHT



Updating in seconds



10 - year battery lifetime
(5 updates/day)



REST API



LED location indicator



Managed by Cloud/APP



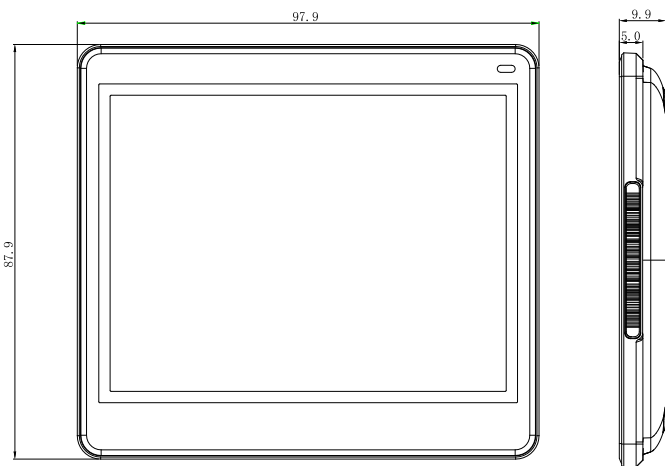
Custom templates



2.5D transparent shell



9.9 mm ultra-thin design



DS042

BRIEF INTRODUCTION

DS042 is a 4.2-inch super-thin ESL independently developed by MinewTag, utilizing the latest Bluetooth® Low Energy 5.0 Technology. It features a 9.9 mm ultra-thin design, secure and fast data transfer, and agile, flexible screen refresh. Adopting the latest E-ink display technology, DS042 provides a fully-graphic display and paper-like appearance. With the 2.5D transparent shell, it delivers a nearly 180° viewing angle for excellent readability.

SPECIFICATION

Material	AC2300
Color	White
Dimension	98*88*9.9 mm
Display Technology	EPD
Screen size	4.2 inch
Display Area	84*62.8 mm
Resolution	400 * 300 px
Pixel Density	119 dpi
Weight	85.5 g
Battery Lifetime	10 Years(5 updates/day)
Fixing Ways	Bracket/Ice Plug etc.
Display Color	Black White Red

TECHNICAL PARAMETER

Communication Protocol	Bluetooth®Low Energy 5.0
Battery	CP502440*2
Battery Capacity	2400mAh
Transmitting Distance	30-80 Meters
Working Humidity	50±20%RH
Operating Temperature	0°C-40°C
Storage Temperature	-20°C-60°C
Protection Level	IPX7

NFC function: write the link address, with APP can quickly jump to the target link.

ESL Electronic Tag Safety Guidelines:

1. The screen displays best quality between 0-35°C.
2. Between 35-40°C, we guarantee barcode readability only, not clarity of images and text.
3. It's recommended to refresh the screen every 24 hours to maintain display quality.
4. Storage between 0-40°C is advised. Do not exceed 10 days of storage at -25°C to 0°C or 40°C to 60°C.
5. If not in use for an extended period, it's advisable to display an all-white pattern and store the screen facing upwards. Refresh the screen at least every 3 months.
6. The screen is fragile; Please avoid pressing, impacting, or dropping it.
7. IPX7 waterproof rating indicates the product can function normally in 1-meter deep water for half an hour. Do not submerge the product in water for prolonged periods.

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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