

# ELECTRONIC TAGS

## MTag21 SPECIFICATION

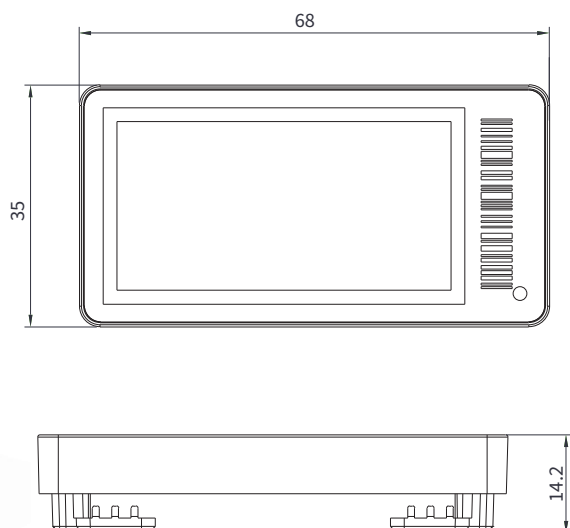
Datasheet V1.2





## HIGHLIGHT

-  Updating in seconds
-  5-year battery lifetime (5 updates/day)
-  SDK/REST API
-  RGB LED Geolocation
-  Managed by Cloud/APP
-  NFC Optional



# MTag21

## BRIEF INTRODUCTION

Minew Mercurius Series, independently designed by Minew, are utilising the latest Bluetooth® Low Energy 5.0 Technology. MTag21 features the latest e-ink display technology, providing fully graphic display, agile & flexible information updates. Also it delivers a near 180° viewing angle for excellent readability.

## SPECIFICATION

|                    |                                                                              |
|--------------------|------------------------------------------------------------------------------|
| Material           | ABS+PC                                                                       |
| Color              | White                                                                        |
| Dimension          | 68 * 35 * 14 mm                                                              |
| Display Technology | EPD                                                                          |
| Screen size        | 2.13 inch                                                                    |
| Display Area       | 49*24mm                                                                      |
| Resolution         | 250 * 122px                                                                  |
| Pixel Density      | 130 dpi                                                                      |
| Weight             | 34 g                                                                         |
| Battery Lifetime   | 5 Years(5 updates/day)                                                       |
| Fixing Ways        | Bracket/Ice Plug/Shelf Rail etc.                                             |
| Display Color      | MTag21R-Black/White/Red<br>MTag21Y-Black/White/Yellow<br>MTag21B-Black/White |

## TECHNICAL PARAMETER

|                        |                          |
|------------------------|--------------------------|
| Communication Protocol | Bluetooth®Low Energy 5.0 |
| Battery                | CR2450 *2                |
| Transmitting Distance  | 30-60 Meters             |
| Working Humidity       | 50±20%RH                 |
| Operating Temperature  | 0°C-50°C                 |
| Storage Temperature    | -20°C-60°C               |

## COMPLIANCE

|               |                     |
|---------------|---------------------|
| Certification | BQB/FCC/CE/RoHS/MIC |
|---------------|---------------------|



## FCC Requirement

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.

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.



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