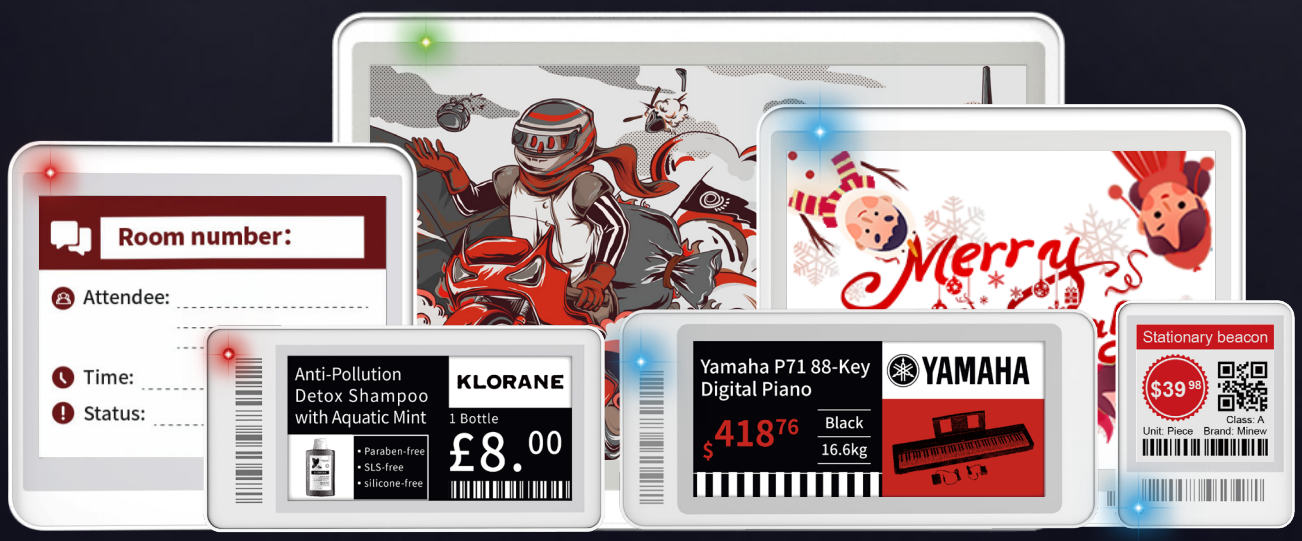
ELECTRONIC TAGS

MTag58 SPECIFICATION

Datasheet V1.3



MINEW | TAG

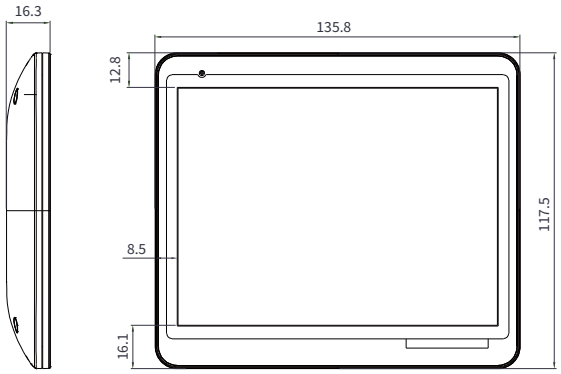
MTag58

BRIEF INTRODUCTION

Minew Mercurius Series, independently designed by Minew, are utilising the latest Bluetooth® Low Energy 5.0 Technology. MTag58 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.

HIGHLIGHT

- Updating in seconds
- 5-year battery lifetime (5 updates/day)
- REST API
- LED location indicator
- Managed by Cloud/APP



SPECIFICATION

Material	AC2300
Color	White
Dimension	135.8 * 117.5 * 16.3 mm
Display Technology	EPD
Screen size	5.83-inch
Display Area	118.8 * 88.2 mm
Resolution	648 * 480 px
Pixel Density	138 dpi
Weight	192 g
Battery Lifetime	5 Years(5 updates/day)
Fixing Ways	Bracket/Ice Plug etc.
Display Color	MTag58R-Black/White/Red MTag58Y-Black/White/Yellow MTag58B-Black/White

TECHNICAL PARAMETER

Communication Protocol	Bluetooth®Low Energy 5.0
Battery	CR2477 * 4
Battery Capacity	4000mAh
Transmitting Distance	30-40 Meters
Working Humidity	50±20%RH
Operating Temperature	0°C-50°C
Storage Temperature	-20°C-60°C

COMPLIANCE

Certification	FCC/CE/RoHS

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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.

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 residentialinstallation. 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 interferencewill 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 towhich the receiver is connected.

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

FCC ID:2ABU6-MTAG58

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Email: info@minewtag.com
Website: https://www.minewtag.com

Manufacturer's Name: Shenzhen Minew Technologies Co., Ltd.
Adress: Unit 3rd Floor, I Building, Gangzhilong Science Park, Qinglong Road, Longhua District, Shenzhen City, China
Product Name: Electronic Shelf Label

Trade Mark:

Model number: MTag58, MTag58R, MTag58Y, MTag58B, MTag58Q, STag58, STag58R, STag58Y, STag58B, STag58Q, STag58P
Operating Temperature: 0° C to 40° C
This device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. All essential radio test suites have been carried out.
☒ **The device complies with RF specifications when the device used at 20mm from your body.**
☒**. Adapter shall be installed near the equipment and shall be easily accessible.**

Care for the environment! Must not be discarded with household waste!

RF Specification:

Function: BLE
Operation : 2402MHz–2480MHz
Max RF output power: 3.61 dBm
Limit: 30 dBm

This product can be used across EU member states.

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.