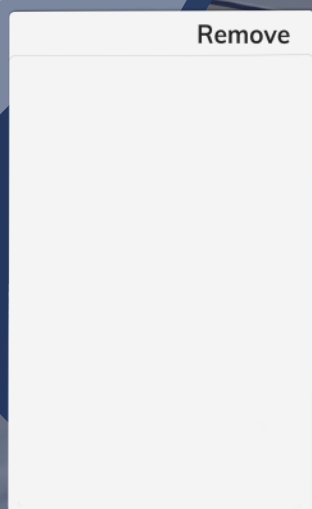




MTB06 BLE

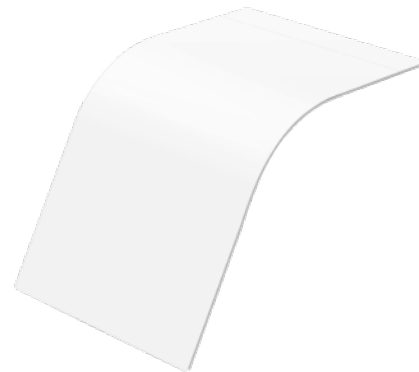
Printable Smart Label

Datasheet



PRODUCT OVERVIEW

The Bluetooth® Printable Smart Label is the newest Bluetooth® LE asset tag designed by Minew, supporting data encryption broadcast. It is designed as the standard logistic label and can be printed by the On-Metal RFID printer to print the label information as required. Besides, only ripping the paper corner can trigger the tag instead of using a physical button or NFC. This printable smart label is more suitable for scenarios such as supply chains, warehouses, retailing and smart offices to track assets' location and status.

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KEY FEATURES



1.2 mm Ultra-thin Design



UHF Compatible



On-Metal RFID Printer Printable



60° Flexible Bending



6 Months Service Life



Eco-friendly & Portable

* Note: The printer is required to be the On-Metal RFID printer, please consult our sales or technical support team for more details.

APPLICATION SCENARIOS



* Note: Users can bind the Bluetooth mac address and barcode with the RFID ID to realize asset tracking and data analysis in some cases.

PRODUCT SPECIFICATIONS

BASIC SPECIFICATIONS

Material	Paper
Color	White
Size (L * W * H)	152.4*101.6*1.2 mm (main body)
Weight	13.5 g (battery included)
Battery capacity	55 mAh (customized)
Service life	6 months (default settings)
Sensor	No
LED	Red(Power-on reminding)
Button	No
Information view app	MinewLink

TECHNICAL SPECIFICATIONS

RFID frequency	915 MHz(passive)
RFID distance	10 m
Broadcast power	Default 0 dBm Options: -20, -16, -11, -7, -3, 0, 3 dBm
Broadcast interval	Default 3000 ms
Broadcast distance	70 m (open area)
Recommended working temperature	-20℃ ~ 50℃
Recommended storing temperature	20℃ ~ 35℃
Security	Non-connectable mode, data cannot be altered

* Note: The RFID distance depends on the RFID readers' output, the antenna's output, and the environment deployed.

TYPE/ CHANNEL	ITEM	DEFAULT SETTINGS
Label (Activated by default)	Company ID	0x0639 (Minew)
	Product ID	0x001B (MTB06)
	Product serial number ID	Factory default
	Battery Voltage	Units: mV
	SOC Temperature	Units: °C
	Measured power	-59 dBm
	Tx power	0 dBm
	Interval (ms)	3000 ms

Note:

- * The product only supports 2 broadcast frames, which can be selected from Label, iBeacon, MBeacon INFO, UID, URL, and TLM, and the broadcast power must be consistent.
- * The parameters of the finished product need to be determined at the time of production. Once programmed into the chip, the parameters cannot be modified.
- * Broadcast parameters list above only as a reference, please ask our sales team or technique team for more broadcast detail.

INSTRUCTIONS

- * **Power on:**

Ripping the paper corner of the label to trigger on until the red light stays on 3 - 6 seconds (refer to the picture below).

- * **Shutdown:**

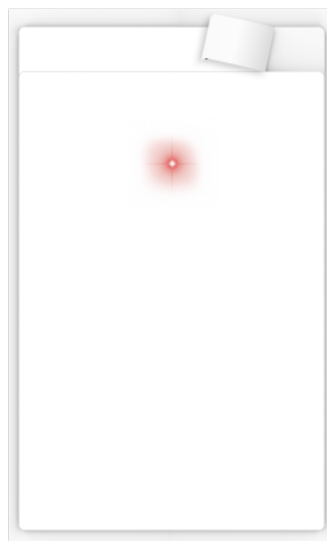
Not supported.

- * **Device information viewing:**

Check the device's information by MinewLink App.

- * **Information Print:**

The printer must be the On-Metal RFID printer that supports at least 106 mm width and 1.2 mm height.



(reference)

- * Note: It is recommended to use On-Metal RFID printer such as CL4NX Plus, ZT411R, or Postek Tx3r, etc. to print label information. The surface information of the label can be printable based on the real scenarios required.

PRECAUTIONS

- * The product is shipped with the power off by default. Once the product is turned on by tearing, it is in broadcast mode and can no longer be shut down or connected to the App for parameter configuration.
- * The product is shipped with burned-in parameters and does not support customer-provided firmware burning, but users can specify the information for burning before shipping.
- * There is no information printed on the standard label surface before shipping; the user can print the information with their own On-Metal RFID printers or provide the information to be printed to us before shipping.
- * After being deployed, it should minimize the friction or impact on its surface, which may cause damage to its internal components.
- * Users can read the label's RFID information by using On-Metal RFID printers or RFID readers.
- * It is not recommended that the product be subjected to frequent bending and folding to avoid damage to the internal components and batteries.
- * It is not recommended that the label be deployed in a humid environment or used under the water, although it has the water-resistant ability to some extent.
- * If the operating temperature is exceeded, the product may be damaged.
- * Please avoid direct sunlight for a long time so as not to cause the shell to age.
- * We are not responsible for any damage caused by manual disassembly.

PACKAGING

Details	Inner Carton	External Box
Pictures		
Quantities	100 pcs	1000 pcs
Sizes	39 x 36 x 7 cm	41 x 24 x 41 cm
Gross weight	1.31 kg	13.64 kg

CERTIFICATIONS



* Note: please contact our sales team or technical team if need other certifications.

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.

FCC warning:
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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

QUALITY ASSURANCE

The factory has already obtained the certification of ISO9001 Quality System. Each product has been strictly tested (tests include transmission power, sensitivity, power consumption, stability, aging, etc.).

Warranty Period: 12 months from the date of shipping (battery and other accessories excluded).

DECLARATION

Statement of Rights:

The contents of this manual belong to the Manufacturer of Minew Technologies Co., LTD, Shenzhen, and are protected by Chinese laws and applicable international conventions related to copyright laws. The contents can be revised by the company according to the technological development without prior notice. Anyone, companies, or organizations cannot modify the contents and cite the contents of this manual without Minew's permission, otherwise, Violators will be held accountable according to law.

Disclaimer:

Minew team reserves the right to the final explanation of the document and product differences. And it is not responsible for liability of property or personal injury with the wrong operation if users develop related products without checking the technical specifications of this manual.

BLUETOOTH SPECIFICATIONS

Bluetooth Version	Bluetooth® LE 5.0
Bluetooth Band	2.4 GHz,40channels(2400~2483.5MHz)
Bluetooth Modulation	GFSK
Bluetooth Bandwidths	1Mbps
Broadcast interval	Activated on site (with red LED indicator)
Scan Distance	70m(Open area)
Scan Period	Configurable



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