

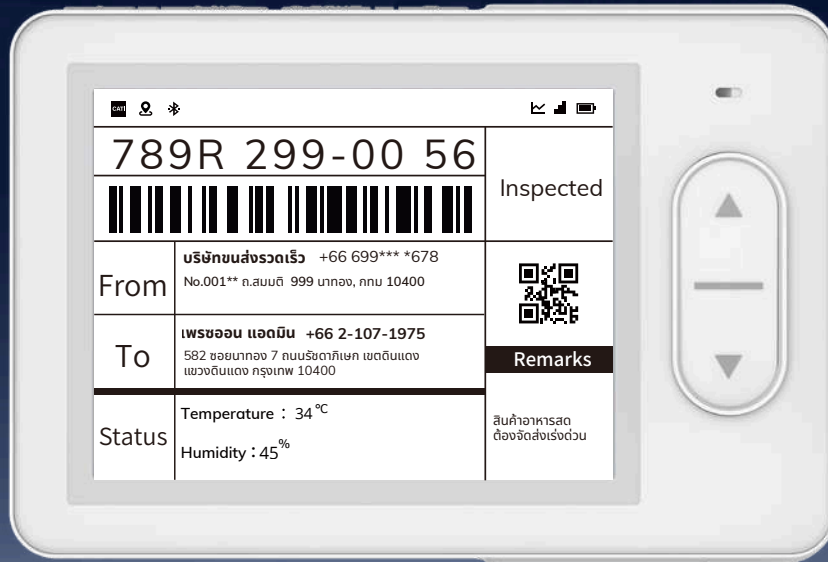


TRUE INSTANT REFRESH

WT042A

Specification

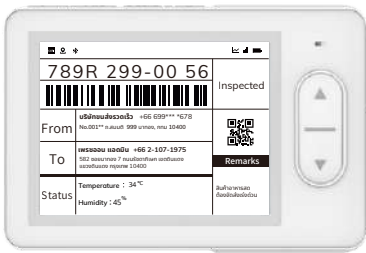
4.2-inch Picking Tag



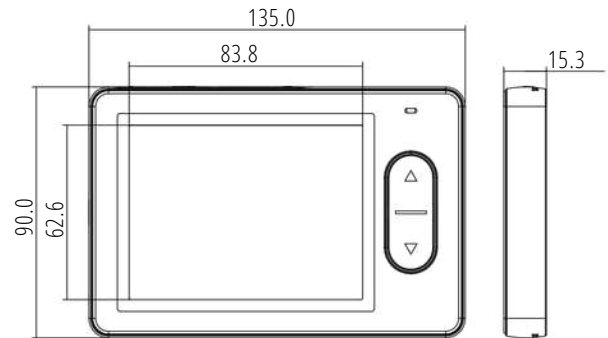
BRIEF INTRODUCTION

WT042A

The WT042A is a 4.2-inch intelligent warehouse picking label, independently developed and manufactured by MCloud-iOT for parallel picking scenarios involving multiple work orders. It features a 4.2-inch black-and-white fast-refresh screen that updates content within 3 seconds. The device is equipped with two buttons and one indicator light to support picking confirmation across multiple simultaneous work orders. Its replaceable battery design effectively extends battery life, and the IP65 ingress protection rating allows it to adapt to more complex warehouse environments.



• Appearance



• Product Dimensions

Highlight



Bluetooth Low Energy 5.0



Black and white display



Customized templates



3-second fast refresh



5+ years of battery life (5 updates/day)



Rest API



LED location indicator



2 buttons



NFC optional



Replaceable battery



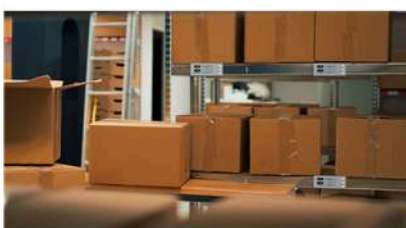
IP65 protection rating



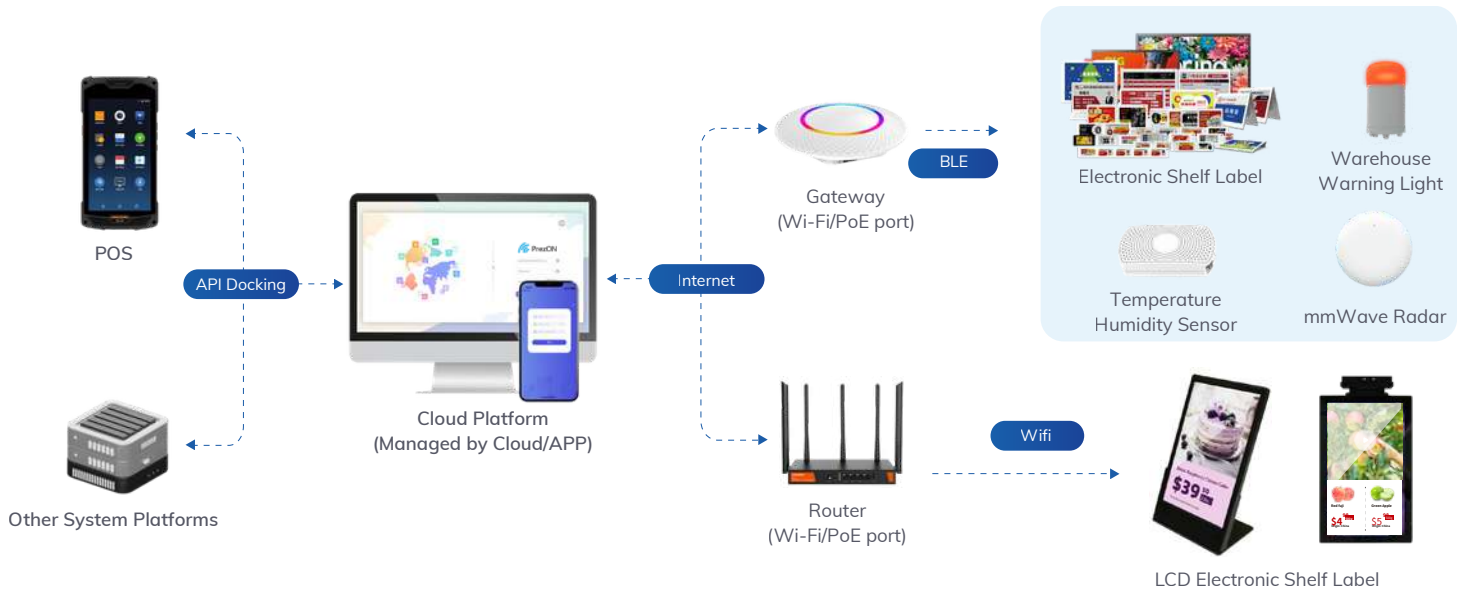
Managed by Cloud/APP

Application Scope

Suitable for parallel multi-order picking scenarios in warehousing across various industries.



Logical Architecture



Specification

Basic Parameters

Model	WT042A
Material	AC3100
Color	White
Dimension(LWH)	135 * 90 * 15 mm
Weight	185.8 g
Screen Size	4.2-inch
Display Area	84.8 * 63.6 mm
Resolution	400 * 300 pixels
Pixel Density	119 dpi
Dot Pitch	0.212 * 0.212 mm
Display Color	BW
Mounting	Bracket, magnetic backplate, etc.
Protection Level	IP65
OTA	Support
NFC Functionality	Optional

Technical Parameters

	Parameters	Notes
Communication Protocol	Bluetooth® Low Energy 5.0	
Battery	CR2450- 4P	
Battery Capacity	2400 mAh	
Battery Lifetime	5 Years (5 updates / day)	
Transmitting Distance	70~80 Meters	Open and Interference-Free Environment
Operating Temperature	-15°C~60°C	
Working Humidity	45~70% RH	
Storage Temperature	-25°C~60°C	Do not exceed 10 days of storage at -25°C to 0°C or 40°C to 60°C

Product Description

Product Functions

Real-time information display with rapid content updates; Broadcasts device status and battery information; Enables remote batch management and changes.


Operation Instructions

- The device powers on immediately upon connection and enters Fast Broadcast mode. If no other devices connect within 30 seconds, it will enter Low-Power Standby mode.
- The device requires connection with a Cloud Platform System to support operations such as image refreshing and indicator light control.

ESL Safety Guidelines:

- The screen displays best quality between 0~35C.
- To maintain display quality, the device will automatically refresh the current content if no update occurs for over one week. This is normal behavior.
- Storage within a temperature range of 0-40C is advised. Do not exceed 10 days of storage at -25C to 0C or 40C to 60C.
- 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.
- The screen is fragile; Please avoid pressing, impacting, or dropping it.
- IP65 Waterproof Rating: The product is designed to provide water resistance under specific conditions. It is not intended for prolonged submersion and should not be used while immersed in water for extended periods.
- The theoretical battery life is a calculated value based on the product's power consumption and battery capacity in a 25C room temperature environment, for reference only. The actual battery life will vary depending on environmental conditions, usage frequency, and other factors.

Packaging Information

	Inner Carton	Outer Carton
Packaging Diagram		
Quantity	/	/
Net Weight	/	/ g
Gross Weight	/	/
Dimensions	/	/
Notes	<ul style="list-style-type: none"> Packaging weight data is estimated; specific data must be confirmed by the manufacturing center. 	

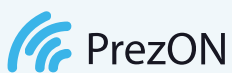
Statement

- **ESL Safety Guidelines:**

All contents of this manual are the property of Prezon Technology Co., Ltd and applicable international conventions. The Company reserves the right to modify the contents of this

- **ESL Safety Guidelines:**

Prezon Technology Co., Ltd. reserves the final right of interpretation for any discrepancies between this manual and the actual product. The Company shall not be liable for any property loss or personal injury caused by improper operation. Please develop, use and maintain relevant products in accordance with the technical specifications and reference designs provided in this manual.



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