

CYKEO-B3L

Industrial UHF RFID Handheld Reader



Cykeo CYKEO-B3L is a rugged, industrial-grade UHF RFID handheld that packs a lot into one device. It reads tags up to 20 meters (EPC C1G2/ISO18000-6C), has a 13MP camera, and supports multiple NFC protocols—all running on Android13. With its MT6762 octa-core processor and a swappable 4000mAh battery, this IP65-rated device can scan over 500 tags per second, making it reliable for logistics, warehouse operations, retail checkouts, and manufacturing workflows.

- 5.5-inch IPS LTPS screen with 720×1440 resolution
- RFID technology 840~960MHz optional, support protocol extension
- Communication interfaces: USB 2.0 Type-C, OTG
- Support multiple radio frequency, function expansion, android 10 system
- Support network communication, long working time, easy to carry

● Specification

Model	CYKEO-B3L
 RF SPECIFICATION	
Identification Method	UHF
RF Chip	Impinj R2000
Frequency Range	840MHz~960MHz
Protocol	EPC C1G2, ISO 18000-6C, ISO 18000-6B
Frequency Band (Optional)	ETSI: 865~868MHz, JP: 916.8~920.4MHz, TW: 922.25~927.75MHz, ID: 923.125~925.125MHz, RUS: 866.6~867.4 MHz, TEST: 802.75~998.75MHz, JP_LBT: 916.8~920.8MHz
Antenna	4dBi
Function	RFID read & write, Multiple label identification (For more RFID tag features, please use Cykeo tag application software)
 HARDWARE SPECIFICATION	
System Support	Android 10
Hardware	Cortex-A53, 8-core 2.3GHz CPU, 3G RAM, 32G ROM 4G RAM, 64G ROM(optional)
Display	720 x 1440, 5.5-inch IPS LTPS screen
Communication	USB 2.0 Type-C, OTG
Battery	4000 mAh
 FUNCTION SELECTION	
RFID Read & Write	
Bar Code	Zebra SE965 / Honeywell N4313 Optional
QR Code	Zebra: SE4710 / SE4750SR / SE4750MR / SE4750DP; Honeywell: N6603 Optional
Camera	13 megapixels Optional

[illegible]

● Related Model

CK-B3

● Common Solution

Smart Library, Archival Room, Tool Room, Supermarket, etc.

● Dimension



Unit : mm (inch)
Weight. : about 0.7kg

● Accessory

No.	item	units	quantity
1	USB A-C Cable	pcs	1



RFID IoT
Application



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