External Antenna Handhold Reader Specification(Android)

Product Model：CJ2603A

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Version Code： V1.0.0

1. **Features**

- Compact and portable, physical and virtual keyboards and flexible configuration

- Android 5.1 system, quad-core high-speed processor

- RFID frequency optional

- Diversified wireless communication

- Powerful bar code scanning function optional

2. **Introduction**

Support Android operating system, optional low frequency, high-frequency, ultra-high frequency RFID function. According to ergonomic design, external antenna, the appearance of small and exquisite, high degree of protection, simple operation, easy to carry, high flexibility, suitable for working in a variety of environmental conditions. Mainly used in logistics, asset management, warehousing management, library management, production management, ticket management and other fields.

3. **Application**

- Container management, warehouse inventory management, cargo transfer tracking and so on

- Production automation, parts and components management

- Ticket and staff card identification

- Patrol, asset management etc

4. **Technical Parameter**

Basic Parameters	
Size	170mm×85mm×23mm / 6.69×3.35×0.91in
Weight	About 400g
Display	5-inch IPS HD screen, resolution 720×1280
Touch Screen	Industrial multi-touch capacitive screen
Expansion slot	1SIM, 2PSAM
	1MicroSD(TF)
Communication Interface	USB2.0, 3.5 plug charging interface
Audio	Voice broadcast
Indicator light	Network indicator, charging indicator
Key	Scan key, function key
Camera (Optional)	8-megapixel rear camera with flash and autofocus function
Flashlight	Low power LED lighting, used in emergency
GPS	Built-in GPS global positioning system, range error ± 5m
Performance Parameters	
CPU	Quad-core 64-bit Cortex-A53
Memory	RAM: 2GB, ROM: 16GB
Operating System	Android 5.1.1
Expansion	Supports up to 32GMicroSD card
Data Communication	
4G	TDD-LTE Band 38/39/40
	FDD-LTE Band 1, 2, 3, 4, 7
3G	WCDMA(850/1900/2100MHz)
WIFI	2.4G/5G, comply with IEEE 802.11a/b/g/n
Bluetooth	Bluetooth4.0
Working Environment	

Operating temp.	-20 to 50℃ / -4℉ to 122℉
Storage temp.	-20 to 70℃/ -4℉ to 158℉
Degree of Protection	IP65
Battery Performance	
Battery capacity	Li-polm,8000mAh
Stand-by time	360 hours when turn off the wireless communication and other functions
Operating hours	10 hours or more (full charge)
Charging time	＜4.5hours
Barcode Scanning (Optional)	
1D Barcode	Code 39, Code 93, Code128, Codebar, EAN-13, EAN-8, UPC- A, UPC- E, ITF14, UCC/EAN- 128, ITF25, Matrix 25, EAN- 128, ISBNetc
2D Barcode	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode, Postal Codes, US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal etc
RFID (Optional)	
UHF	ETSI：865～868MHz OR FCC：902～928MHz
	Working protocol: ISO18000-6C
	Reading distance: 0～7m(Ranges depend on tags and environment)
	Anti-collision (optional): 200pcs/s
	Output power: 0～30dBm/2W
HF	Working frequency: 13.56MHz
	Working protocol: ISO14443A&ISO15693
	Reading distance: 0～7cm(Ranges depend on tags and environment)
LF	125kHz/134.2kHz
PSAM	2PSAM

HF(CPU CARD)	Read & Write, work only with PSAM
Active 2.45G (Custom)	Reading distance: 200m, 200pcs/time reading
Other Optional Modules	
433M (Custom)	Reading distance＞200m, reading distance could be customized
ZIGBEE (Custom)	Applicable wireless network data acquisition
Infrared (Custom)	
Biometric Identification (Optional)	
Functions	Enrollment, compare and deletionetc
Sensor	TCS1 Biological fingerprints /FBI certificated
Sensor Type	Inductive capacitance
Image Size	256x360 pixel
Resolution	500DPI
Storage Memory	1000 fingerprints
Accessory	
Standard	Li-polm battery, charging head, DC cable, USB cable
Optional	Recharging cradle
Support	
Document	Demo, API, software development guidance