



GZY-102 Handheld RFID Reader



GZY-102 is an Android reinforced mobile reader, which can integrate UHF, 1D/2D barcode, NFC, PSAM and other functions. It can be equipped with Impinj E710/R2000 circularly polarized antennas to read tags from a long distance, and supports the latest Android 10.0 operating system. It can be widely used in RFID asset management, retail, warehousing, aviation management and other fields.



Specification

PHYSICAL CHARACTERISTICS

Dimension	166mm(H)x79mm(W)x27mm(D)±2 mm
Net Weight	400g (including battery&wrist strap)
Display	Tough 5.5 in. TFT-LCD(720x1440)touch screen with backlight
Backlight	LED backlight
Expansions	1 PSAM 1 SIM, 1 TF
Battery	Rechargeable li-ion polymer, 3.8V, 4800mAh

PERFORMANCE CHARACTERISTICS

CPU	Cortex A73 2.0GHz octa-core
Operating System	Android 10.0
	RAM : 2GB; ROM:16GB; (optional) RAM : 4GB ROM : 64GB MicroSD(max 256GB expansion)

USER ENVIRONMENT

Operating /Storage Temp.	-20°C to 50°C -20°C to 70°C
Humidity	5%RH to 95%RH(non-condensing)
Drop Specifications	5ft./1.5 m drop to concrete across the operating temperature range
Sealing	IP65, IEC compliance
ESD	15kv air discharge, ±8kv direct discharge

DEVELOPMENT ENVIRONMENT

SDK	Software Development Kit
Language	Java
Environment	Android Studio or Eclipse

DATA COMMUNICATION

WWAN	TDD-LTE Band 38, 39, 40, 41; FDD-LTE Band 1, 2, 3, 4, 5,7, 8,12,17, 20;WCDMA(850/1900/2100MHz);GSM/GP RS/Edge (850/900/1800/1900MHz);
WLAN	2.4GHz/5.0GHz Dual Frequency, IEEE 802.11 a/b/g/n/ac
WPAN	Bluetooth Class v2.1+EDR, Bluetooth v3.0+HS, Bluetooth v4.2
Optional	GPS(embedded A-GPS), accuracy of 5 m

COLOR CAMERA

Resolution	Rear 13 megapixel, front 5.0 megapixel
Lens	Auto-focus with LED flash

BARCODE READER(OPTIONAL)

2D CMOS Imager	Zebra SE4710
2D barcode Symbolologies	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 READER(OPTIONAL)

RFID UHF

Frequency	860-865Mhz /902-928Mhz (Can be customized)
Protocol	EPC C1 GEN2/ISO 18000-6C
Antenna Gain	Circular antenna(2dBi)
R/W Range	2m(depends on rfid tags performance)

RFID NFC

Frequency	13.56MHz
Protocol	ISO 14443A&15693, NFC-IP1, NFC-IP2
R/W Range	2- 5cm(depends on rfid tags performance)

LF

Active 2.45G(OPTIONAL)	125K/134.2Khz 200m(tags and environment dependent)
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PSAM SECURITY(OPTIONAL)

Protocol	ISO 7816
Baudrate	9600, 19200, 38400,43000, 56000, 57600, 115200
Slot	2 slots(maximum)

FINGERPRINT READER(OPTIONAL)

Sensor	TCS1 _{xx}
Sensor type	Capacitive, area sensor
Resolution	508 DPI
Performance	FRR0.008%, FAR<0.005%
Capacity	100

ACCESSORIES

Standard	1xPower Supply; 1xLithium Polymer Battery; 1xType-C cable
Optional	Cradle

Note: Our company may optimize products in response to market changes, and any changes will be made without prior notice, please understand!



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