



# MX5100

## Android Mobile Computer



Android7.0



4G



Fingerprint



RFID

C5100 serial products extend Handheld-Wireless product serials into Android OS 7.0 with 4G high speed network communication. Inside the compact handheld device, sealing level of IP65 water/dust proof, 1.5m/4.5ft drop survival, ergonomic design, over-molding structure, quick-charging technology, and 5.0 inch tough Gorilla Glass 3 screen are all equipped to ensure performance. Latest 1.3GHz quad-core processor 2GB RAM/16GB ROM and up to 128GB expansion are all designed to boost up experience level.

### Extremely Stable Performance

Android 7.0 OS with memory of 2GB RAM/16GB ROM can provide the highly standard experience ;

### High Speed Data Communication

Double insurance of 4G high Speed network and dual-frequency WIFI network can ensure the real-time data communication in different using environment;

### Rugged Ergonomic and Over-molding Design

Over-molding and ergonomic hardware design can satisfy most of the tough environment from different fields;

### Extremely Stable Hardware Display

5.0 inch Gorilla Glass 3 9H screen can ensure the performance under different tough environment;



### Highly Customized Structure

'All-in-One' hardware design conception can expand the hardware modules integration based on different project requirements, especially like UHF+HF, UHF+LF; HF+LF;

### Quick-Charging

Quick-charging technology can provide the most efficient experience;

### Perfect Service

Professional and skillful service involving the whole life cycle can guarantee the stability.



# MX5100

## PHYSICAL CHARACTERISTICS

Dimension	170mm(H)x85mm(W)x23mm(D) ± 2 mm
Weight	Net Weight :480g (including battery&wrist strap)
Display	Gorilla Glass 3 9H 5.0 in. TFT-LCD(720x1280) touch screen with backlight
Backlight	LED backlight
Keypads	3 TP keys, 6 function keys, 4 side buttons
Expansions	2 PSAM, 1 SIM, 1 TF
Battery	Rechargeable li-ion polymer, 3.7V, 8100mAh

## PERFORMANCE CHARACTERISTICS

CPU	Quad A53 1.3GHz quad-core
Operating System	Android 7.0
Storage	2GB RAM, 16GB ROM, MicroSD (max 128GB expansion)

## USER ENVIRONMENT

Operating Temp	-20°C to 50°C
Storage Temp	-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

Language	Java
Environment	Android Studio or Eclipse

## DATA COMMUNICATION

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

## DATA CAPTURE

### BARCODE READER(OPTIONAL)

1D barcode	1D laser engine	Honeywell N4313
	Symbologies	All major 1D barcodes
2D barcode	2D CMOS Imager	Honeywell N6603/Newland EM3396
	Symbologies	PDF417, MicroPDF417, CompositeRSS, 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.

## COLOR CAMERA

Resolution	8.0 megapixel
Lens	Auto-focus with LED flash

## RFID READER(OPTIONAL)

RFID LF	Frequency	125KHz/134.2KHz(FDX-B/HDX)
	Protocol	ISO 11784&11785
	R/W Range	2cm to 10 cm
RFID HF/NFC	Frequency	13.56MHz
	Protocol	ISO 14443A&15693
	R/W Range	2cm to 8cm
RFID UHF	Frequency	865-868MHz or 920-925MHz
	Protocol	EPC C1 GEN2/ISO 18000-6C
	Antenna Gain	Circular antenna(3dBi)
	R/W Range	6 m to 7m(tags and environment dependent)

## FINGERPRINT READER(OPTIONAL)

Sensor	TCS1xx
Sensor type	Capacitive, area sensor
Resolution	508 DPI
Performance	FRR<0.008%, FAR<0.005%
Capacity	1000

## PSAM SECURITY(OPTIONAL)

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

## ACCESSORIES

Standard	1xPower Supply; 1xLithium Polymer Battery; 1xDC charging cable; 1xUSB data cable
Optional	Cradle

