



RUGGED MOBILE IoT TERMINAL MG08XX

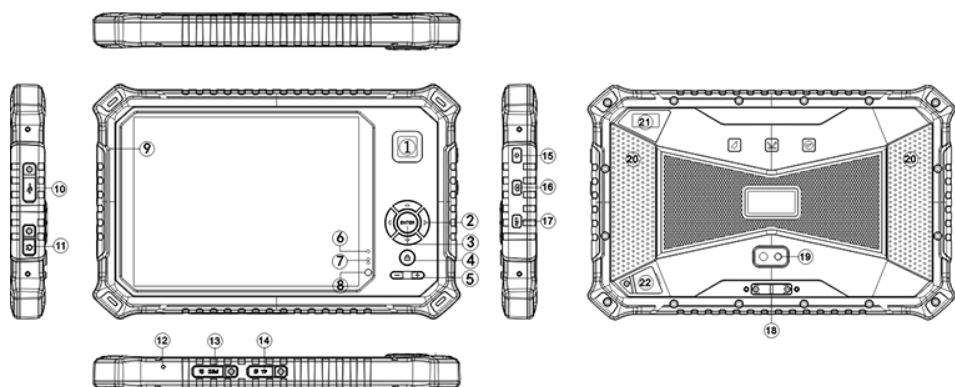


※Introduction

MG08XX Series mobile IoT uses 7.9 inch high-brightness display, with toughened touch panel, which enhances with UHF RFID, fingerprint, barcode, high-precision GNSS, and various sensors as the data collecting ways. With Titanium alloy frame, cases made by bicolor mold, it is backed by MIL-STD-810G/Method 516.6/Procedure IV for durability and protection against dirt, dust, water and motion. Also it goes with a long-life 10000mAh battery, sunlight-readable, and operating under extreme low temperature. It can fully realize control of the community, GIS surveying, Inventory, goods traceability, drug safety supervision and management of industrial processes, etc..

※Hardware

CPU:	2.5G Hz x10 Cortex A72 Deca-Core 64bit **
RAM/ROM:	TWO-IN-ONE:3G+32G EMCP * TWO-IN-ONE:4G+64G EMCP **
Display :	7.9 inch IPS/AFFS 768*1024 industrial 420CD/M2 Sunlight -Readable
Touch Panel:	Capacitive / toughened glass TP 9H support glove touch/spray/Active capacitance pen
Basic Function:	2G/3G/4G/BT/GPS/WIFI/FM/Gyro-Sensor/M-Sensor/G-Sensor/Motion-sensor/
Extensible Function:	LF/UHF RFID/ NFC/GNSS/RTD/RTK/38K/Zigbee
Camera	13.0MP(AF)with flash led/5.0MP sub Camera
2G/3G/4G Band	GSM B2/3/5/8 WCDMA B1/2/5/8 TDSCDMA B34/39 TD-LTE B38/39/40/41 FDD LTE B1/2/3/4/5/7/20 EVDO, CDMA 1X
Wifi/BT	Dual-band (2.4GHz/5Ghz) 802.11a/b/g/n MAC/BB/RF BT v2.1+EDR/BT 3.0+HS / BIT v4.0 (LE)



- 1.Sensing area
- 2.Arrow key
- 3.OK button
- 4.Back/ Scan Micro SD Slot
- 5.Volume Up/Down
- 6.charging indicator
- 7.Light-sensitive
- 8.Sub Camera
- 9.Warm feeling
- 10.USB Type-C interface
- 11.Earphone Button

- 12.MIC In
- 13.SIM Card Slot
- 14.TF Card Slot
- 15.Power on / off / lock Button
- 16.Camera shortcuts
- 17.Reset Button
- 18.Base charging contact
- 19.Main Camera
- 20.Speaker
- 21.Scanning head (reserved)
- 22.GPS external radio head (reserved)

**MG0864 *MG0832

Explanation of differences between product types						
Model No.	CPU	RAM	ROM	AndroidOS	Display	
MG0832	2.5Ghz, Deca core A72 64bit	3G	32G	6.0/7.0	7.9 inch IPS/AFFS 768*1024	industrial 420CD/M2 Sunlight -Readable
MG0864	2.5Ghz, Deca core A72 64bit	4G	64G	6.0/7.0	7.9 inch IPS/AFFS 768*1024	industrial 420CD/M2 Sunlight -Readable

Detailed Specification



※Hardware			
Chipset	ARM Cortex A72 2.5G Hz X10 Deca-core		
Sim card	1.8/3.3V SIM card		
※Battry & IO			
Battery	10000mAh	Charger	USB Type-C
Earphone	3.5mm	Data interface	USB Type-C 24pin

※Camera & Memory	
Main Camera	13.0MP(AF) with flash led /5.0MP+13.0MP
Internal Memory	3GB RAM+32GB ROM EMCP* 4GB RAM+64GB ROM EMCP**
External Mem	Micro SD card(T-FLASH card),max 128GB
※Display & Input	
Main Display	7.9 inch IPS/AFFS 768*1024 industrial 420CD/M2 Sunlight -Readable
Touch Panel	Capacitive / toughened glass TP support glove touch/spray/Active

※Data collection & Option Module	
GPS&GLONASS /support A-GPS/EPO	915M UHF RFID
GPS&BEIDOU /support A-GPS/EPO	125K LF RFID
NFC support ISO14443A/B/ISO15693	13.56M HF RFID
1D/2D Barcode scanner module	Fingerprint module

※Industrial & Reliability Design	
Shake-proof	1-19Hz/1.0mm; 19-200Hz/1.0g
Dropproof	MIL-STD-810G/Method516.6/Procedure IV
Waterproof	Class 7 (IEC 60529)
Dustproof	Class 6 (IEC 60529)
Reliability	MTBF>50000h; MTTR<0.5h
Operating temperature	-20° C to 55° C
Storage Temperature	-40° C to 80° C
RH	5% to 95%
Operating Altitude	Max: 4,500 m (15,000 feet)

※Network

Call

GSM /WCDMA/TD-SCDMA/CDMA 1X

2G/3G/4G Band

GSM (B2/3/5/8) , WCDMA (B1/2/5/8) , TDSCDMA (B34/39) , TD-LTE (B38/39/40/41) ; FDD LTE (B1/2/3/4/5/7/20);Evdo: BC0/BC1 CDMA: BC0/BC1

3G data

WCDMA 3.75G (HSDPA+ 42.2Mbps, HSUPA+ 11.5Mbps),TD-SCDMA, EVDO

4G data

FDD: Up to 150Mbps downlink, 50Mbps uplink - TDD: Up to 150Mbps downlink, 50Mbps uplink

EDGE/GPRS/WAP

WI-FI

Dual-band (2.4GHz/5GHz) single stream 802.11 a/b/g/n MAC/BB/RF

Bluetooth

BT v2.1+EDR/BT 3.0+HS compliance/ Bluetooth v4.0 Low Energy (LE)

※GPS/Sensor/IOS

ISO

Andriod 6.0/7.0 UP

GPS

GPS+Glonass+Beidou+AGPS

Motion sensor

support

G-sensor

support

M-sensor

support

Gyro sensor

support

Acceleration sensor

support

Light-sensor

Option

Proximity sensor

Option

Rotation vector sensor

support

※Size/Package/Warranty terms/OEM	
Size	256*159*23mm (L×W×H)
Weight	820g
Warranty&OEM	support OEM, warranty 24 months (non-human damages)
Package	USB cablex1, charger 5V 2.1Ax1,user guide x1,tool bag x1,screen protectorx1
※Certification support	
MA/3C /FCC/CE/ROHS	



