

Waterproof /Dustproof/Dropproof/Full function/Hi-Rel/Low-Power/Extensible
/UHF RFID/NFC/4G/GNSS

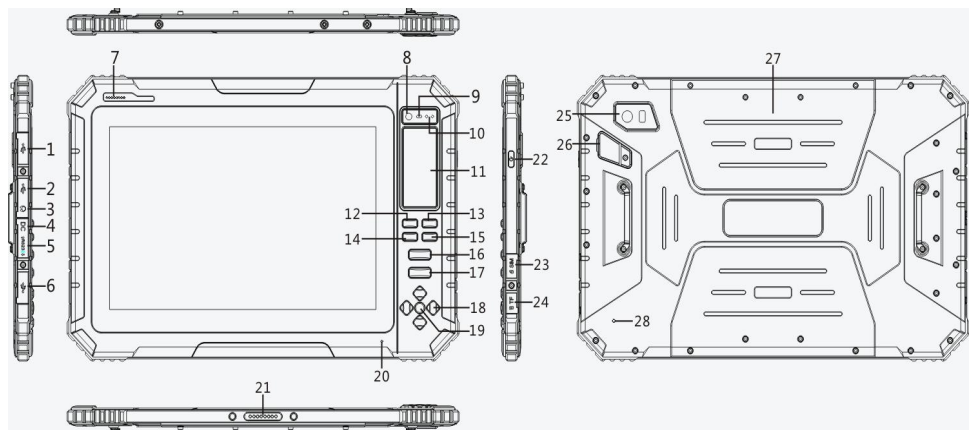


✧Introduction

MG1032 mobile OS terminal has tough appearance with 10.1" industrial-grade, 1000 cd/m2 full-view display, toughened glass TP and aero-grade titanium alloy material frame. Product meets MIL-STD- 810G/Method516.6/Procedure IV and military standard. Terminal can withstand up to a 1.2m drop and 2 ton shock pressure test. While it also comes with a suite of integrated features, which is highly integratable, high-performance , high-reliability, high-flexibility. MG1032 is equipped with a long-life 14600mAh battery, sunlight-readable, which can operate under extreme low temperatures.

✧Hardware

CPU:	2.5G Hz x10 Cortex A72 Deca-Core 64bit
RAM/ROM:	TWO-IN-ONE:3G+32G EMCP
Display :	10.1 inch IPS/AFFS 1000*1920FHD industrial 1000 Nit Sunlight Readable
Touch Panel:	5 point Multi-touch/Capacitive/Anti-salt fog/support capacitance pen&gloves 9H
Basic Function:	2G/3G/4G/BT/GPS/WIFI/FM/ Axis Accelerometer Sensor/Orientation SensorGravity Sensor/Linear Acceleration Sensor/Rotation Vector Sensor/Magnetic Field Sensor/Gyroscope Sensor
Extensible Function:	LF/UHF RFID/ NFC/GPS+GLONASS Navigation/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:	Dual-band (2.4GHz/5Ghz) 802.11 a/b/g/n MAC/BB/RF
Bluetooth:	v2.1+EDR/BT 3.0+HS compliance/ Bluetooth v4.0 Low Energy (LE)



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|--------------------|----------------------------------|----------------------|---------------------------------|
| 1: USB HOST | 8: Sub camera | 15: Search button | 22: ON/OFF button |
| 2: USB Type-C data | 9: Ambient light sensor | 16: Scan button | 23: SIM card port |
| 3: earphone | 10:Status and charging indicator | 17: defined button | 24: TF card port |
| 4: DC port | 11.fingerprint optional | 18: Direction button | 25: Main camera |
| 5: RS232 port | 12. Menu button | 19.Confirm button | 26. External GNSS antenna inter |
| 6.USB HOST | 13. Back button | 20. MIC | 27. module optional |
| 7.Speaker | 14.Home button | 21. Pogo pin | 28. Temperature pressure sensr |

Explanation of differences between product types

Model No.	CPU	RAM	ROM	Android OS	Display
MG1032	2.5Ghz, Deca-core A72 64bit	3G	32G	8.1	10.1 inch IPS/AFFS 1200*1920 FHD industrial 1000 nit Sunlight Readable

Detailed Specification



※Hardware

Chipset	ARM Cortex A72 2.5G Hz Deca-core
Sim card	1.8/3.3V SIM card

※Battery & IO

Battery	14600mAh	Charger	USB Type-C/USB Type-A
Earphone	3.5mm	Data interface	USB Type-C/DC3.0/pogo

※Camera & Memory

Main Camera	13.0MP(AF) with flash led /5.0MP+13.0MP
Internal Memory	3GB RAM+32GB ROM EMCP or 4GB RAM+64GB ROM EMCP**
External Mem	Micro SD card(T-FLASH card),max 128GB

※Display & Input

Main Display	10.1" AFFS/IPS LCD 1200x1920 FHD industrial 1000cd/m2 Sunlight Readable
Touch Panel	5 point Multi-touch/Capacitive/Anti-salt fog/support capacitance pen&gloves 9H

※Data collection & Option Module

GPS&GLONASS /support A-GPS/EPO	915M UHF RFID
fingerprint 256 x 360 pixels 508dpi	125K LF RFID
NFC support ISO14443A/B/ISO15693	RTD /RTK module
1D/2D Barcode scanner module	38K / ID card verification

※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
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	Andriod8.1		
GPS	GPS+Glonass+Beidou+AGPS		
Motion sensor	support	Gravity sensor	support
Magnetic field sensor	support	Gyro sensor	support
Acceleration sensor	support	opto-sensor	support
Proximity sensor	support	Rotation vector sensor	support

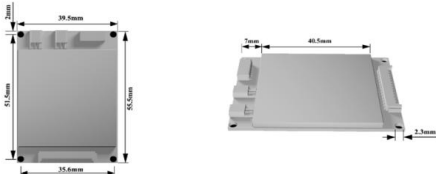
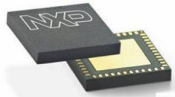



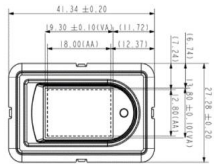
※Size/Package/Warranty terms/OEM

Size	320*228*12mm (L×W×H)
Weight	760g
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



<p>UHF RFID Module</p>	<p>Air interface protocol: EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C Operating spectrum range: 902Mhz - 928Mhz 865MHz - 868MHz (Optional) Output range: 0-33 dBm Output accuracy: +/- 1dB Output power level: +/- 0.2dB The label is sensitive and stable. Reading distance: ≥10m(E41 tag)</p>	
<p>HF RFID/NFC module</p>	<p>13.56M HF support ISO14443A/B/ISO15693 readable/data transmission/ Card Emulation/encryption authenticated</p>	
<p>125K LF RFID module</p>	<p>LF RFID ID card readable; support EM4100, 4001, TK4100, EM4305</p>	
<p>134K LF RFID (support Animal tags)</p>	<p>Operation Frequency: 134.2kHz support agreement: ISO11784/5 Read distance >5cm Working mode: FDX-B (full-duplex communication)</p>	
<p>barcode module</p>	<p>M3296/M3096/E203/E3680 barcode scanner module</p>	
<p>fingerprint module</p>	<p>G2010 Capacitive fingerprint sensor, FAP10, 508 dpi, 8 bit , 256X360 size, FBI MINEX III (NIST Certification)</p>	
<p>UHF RFID</p>	<p>Air interface protocol: EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C Operating spectrum range: 902Mhz - 928Mhz 865MHz - 868MHz (Optional) Output range: 0-26 dBm Output accuracy: +/- 1dB Output power level: +/- 0.2dB The label is sensitive and stable. Line polarization ultra thin plate antenna 5050: 1-2m</p>	