

Android 5.1.1 4G RFID Handheld Reader



Model No.: QSM5100

GENERAL DESCRIPTION

QSM5100 handheld reader is an industrial-class intelligent industrial handheld terminal with Android 5.1 operating system that supports all Internet of Things bands and applications. This RFID reader can be widely used in logistics transportation, electric power industry, storage management, commodity anti-counterfeiting, anti-counterfeit traceability, asset management and patrol industry and so on.

FEATURES

- 8.0m mega pixel camera, auto-focus with LED flash;
- Android 5.1.1 OS and Multiple languages;
- Support Google Play Store;
- 2GB RAM, 16 GB ROM, MicroSD(max 32GB expansion);
- High capacity 4300mA large capacity battery for critical requirement;
- Industrial rugged design, waterproof and protection grade(IP65);
- Support 4G/Wifi/GPS/Bluetooth;
- Free Software Development Kit.

SPECIFICATIONS		
Dimension	170mm(H)x85mm(W)x23mm(D)±2 mm	
Weight	Net Weight :370g (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, 4500mAh	
PERFORMANCE CHARACTERISTICS		
CPU	Quad A53 1.0GHz quad-core	
Operating System	Android 5.1.1	
Storage	2GB RAM, 16GB ROM, MicroSD(max 32GB expansion)	
USER ENVIRONMENT		
Operating Temp.	-20℃ to 50℃	
Storage Temp.	-20℃ to 70℃	
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	HHW 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 .7;.17.20 WCDMA(850/1900/2100MHz); GSM/GPRS/Edge (850/900/1800/1900MHz);	
WLAN	2.4GHz/5.8GHz Dual Frequency, IEEE 802.11 a/b/g/n/ac	
WPAN	Bluetooth Class v2.1+EDR, Bluetooth v3.0+HS, Bluetooth v4.0	
GPS	GPS(embedded A-GPS), accuracy of 5 m	
DATA CAPTUEER		
BARCODE READER(OPTIONAL)		
1D barcode	1D laser engine	Honeywell N431x or Symbol SE955
	Symbologies	All major 1D barcodes
2D barcode	2D CMOS Imager	Honeywell N6603
	Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode, Postal Codes, US PostNet,



Shenzhen Qiansheng Technology Co., Ltd.

		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	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(2dBi)
	R/W Range	1 m to 1.5 m(tags and environment dependant)
Active 2.45GHz	Read range more than 200 m	
433MHz	Read range more than 200 m	
ZigBee READER(OPTIONAL)		
Protocol	IEEE 802.15.4	
Reading Range	100 m to 200 m	
FINGERPRINT READER(OPTIONAL)		
Sensor	TCS1ST	
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	Magnetic charging cable; Carrying case	

Address: Floor 1012, Jinhua building, Long Feng 3 Road, Longhua New District, Shenzhen
 Tel: 0755-23760901, Fax: 0755-23716537, Web: www.rfid-global.com.cn, Email:
sales@rfid-global.com.cn