

Industrial RFID Handheld Reader



Model No.: QSM5500

Summary

QSM5500 is a multifunctional industrial handheld reader, it can integrate UHF, ID card, barcode, NFC, PSAM and other functions. At the same time, it is equipped with a super powerful high-end eight core processor, with excellent and stable performance. It is suitable for personnel inspection, inspection, manufacturing, clothing and other industries.

Features

- Based on ARM Cortex-A73 eight-core CPU, clocked at 2.0GHz
- Android 10.0 operating system
- 5.5-inch IPS HD display, 18:9 ratio design
- Ergonomic design, back cover structure design with skin texture on the back
- High precision one / two dimensional code scanning engine
- AI intelligent super clear camera
- 4800mAh large-capacity polymer lithium battery, long-lasting battery life
- Multi-function optional (UHF/ID/Fingerprint/NFC/PSAM/Barcode)
- Support 2.4G&5G dual-band WIFI and roaming function

Specifications

Specifications	
Physical Characteristics	
Dimension	167*79*28mm ± 2mm
Weight	Net Weight :400g (including battery & wrist strap)
Display	Gorilla Glass 3 9H 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 quad-core
Operating System	Android 10.0
Storage	2GB RAM/16GB ROM or 4GB RAM/64GB ROM, MicroSD(Max 256GB 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		
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, 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/ac	
WPAN	Bluetooth Class v2.1+EDR, Bluetooth v3.0+HS, Bluetooth v4.2	
GPS	GPS, accuracy of 5m	
Data Capture		
Barcode Reader (Optional)		
1D	1D laser engine	Honeywell N4313
	Symbologies	All major 1D barcodes
2D	2D CMOS Imager	Zebra SE4710/Mindeo ME5600
	Symbologies	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.
Color Camera		
Resolution	Rear 13 megapixel, front 5.0 megapixel	
Lens	Auto-focus with LED flash	
RFID Reader (Optional)		
LF	Frequency	125KHz/134.2KHz (FDX-B/HD X)
	Protocol	ISO 11784&11785
	R/W Range	2cm to 10 cm
HF/NFC	Frequency	13.56MHz
	Protocol	ISO 14443A&15693
	R/W Range	2cm to 8cm

UHF	Frequency	865~868MHz or 920~925MHz
	Protocol	EPC C1 GEN2/ISO 18000-6C
	Antenna Gain	Circular antenna(2dBi)
	R/W Range	2.0m(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)	
Accessory		
Standard	1xPower Supply; 1xLithium Polymer Battery; 1xType-C cable	
Optional	Carrying case; Cradle	

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