SG7806   Android Mobile Computer

⬤ Industrial and Humanized Hardware Design

Industrial&humanized keypad design and tough 5.5 inch Gorilla Glass 3 touch screen together with high resolution of 720*1440 display shall match high standards in logistics, express and retail.

⬤ Octa-Core Processor&Large Memory

Android 10.0 OS with memory of 2GB RAM/16GB ROM or 4GB RAM/64GB ROM shall provide the highly standard experience

⬤ Superior Data Communication and Security Guarantee

Double insurance of 4G &WIFI network and highly secured Android 10.0 system shall provide the high speed data communication and perfect security guarantee;

Using Environment

THCAN

SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Dimension	166mm(H)x79mm(W)x31mm(D)±2 mm (Not including the shield and pistol grip)
Weight	Net Weight :600g (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, 9000mAh

PERFORMANCE CHARACTERSTICS

CPU	Cortex A73 2.0GHz octa-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℃ 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	Handheld-Wireless 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(embedded A-GPS), accuracy of 5 m

DATA CAPTUER

BARCODE READER(OPTIONAL)

2D barcode	2D CMOS Imager	Zebra SE4710 /MindeoME5600/Others
	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,

COLOR CAMERA

Resolution	Rear 13 megapixel, front 5.0 megapixel
Lens	Auto-focus with LED flash

RFID READER(OPTIONAL)

NFC	Frequency	13.56MHz
	Protocol	ISO 14443A&15693, NFC-IP1, NFC-IP2
	R/W Range	5cm to 8cm
UHF	Frequency	865~868MHz or 920~925MHz
	Protocol	EPC C1 GEN2 ISO 18000-6C
	R/W Range	0 m to 25.0 m(tags and environment dependent)
	Antenna Gain	Circular antenna(3dBi)

ACCESSORIES

Standard	1xPower Supply; 1xLithium Polymer Battery；1xType-C cable
Optional	Cradle