RAKINDA
远景达集团（深圳）

S4 PLUS Android Mobile Computer

S4 PLUS serial products extend Handheld-Wireless product serials into Android OS 7.0 with 4G high speed network communication with pistol grip. Inside the compact handheld device, sealing level of IP65 water/dust proof, 1.5m/4.5ft drop survival, ergonomic design, over-molding structure, quick- charging technology, large built-in battery of 8000mAh, and 5.0 inch tough Gorilla Glass 3 9H screen are all equipped to ensure performance. Latest 1.3GHz quad-core processor 2GB RAM/16GB ROM and up to 128GB expansion are all designed to boost up experience level.

FEATURES

Extremely Stable Performance
Android 7.0 OS with memory of 2GB RAM/16GB ROM can provide the highly standard experience

High Speed Data Communication
Double insurance of 4G high Speed network and dual-frequency WIFI network can ensure the real-time data communication in different using environment;

Rugged Ergonomic, Over-molding Design with Extremely Stable Hardware Display
Over-molding, ergonomic hardware design and 5.0 inch tough Gorilla Glass 3 9H can satisfy most of the tough environment from different fields;

High Efficiency Operating Style
Mounted pistol grip with built-in battery of 8000mAh can ensure the high efficiency in outdoors environments;

High Accuracy and Long Reading Distance
Optional ThingMagic UHF Reader can guarantee the high reading accuracy and long reading distance;

Highly Customized Structure
'All-in-One' hardware design conception can expand the hardware modules integration based on different project requirements, especially like UHF+HF, UHF+LF; HF+LF;

Quick-Charging
Quick-charging technology can provide the most efficient experience;

Perfect Service

Professional and skillful service involving the whole life cycle can guarantee the stability.

SPECIFICATIONS	
PHYSICAL CHARACTERISTICS	
Dimension	170mm(H)x85mm(W)x23mm(D)±2 mm
Weight	Net Weight :1000g (including battery)
Display	5.0 inch Gorilla Glass 3 9H 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, 8000mAh
PERFORMANCE CHARACTERSTICS	
CPU	Quad A53 1.3GHz quad-core
Operating System	Android 7.0
Storage	2GB RAM, 16GB ROM, MicroSD(max 128GB 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 CAPTUER	
BARCODE READER(OPTIONAL)	

1D barcode	1D laser engine	Symbol SE955/Honeywell N431X
	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, US Planet, UK 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(3dBi)
	R/W Range	Default: 6 m to 7 m(tags and environment dependent) R2000 UHF Reader: 5 m to 7 m(tags and environment dependent) ThingMagic M6E Micro: 6m to 8 m(tags and environment dependent)
Active 2.45GHz		Read range more than 200 m
433MHz		Read range more than 200 m

FINGERPRINT READER(OPTIONAL)

Sensor	TCS1CT
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(Standard)

ACCESSORIES

Standard	1xPower Supply 1xLithium Polymer Battery 1xDC charging cable 1xUSB data cable
Optional	Carrying case; Cradle