



PRODUCT MANUAL



深圳汉德霍尔科技有限公司
Shenzhen Handheld-Wireless Technology Co , Ltd

Future creates endless possibilities

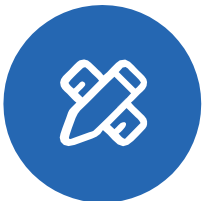
About us:

Shenzhen Handheld-Wireless Technology Co., Ltd. is a national high-tech enterprise focusing on the R&D and production of handheld terminal equipment, and is a pioneer brand of customized IoT terminal equipment in China. The company has a deep technical background in the development and customization of intelligent hardware products. All series of products are realized independently from appearance design to complete machine R&D and production, from hardware to software.

Modules can be flexibly stalled to better meet customer application requirements. Related products Have been widely used in logistics, hospital, medicine, electricity, finance, public security, duction, taxation, transportation, tourism, retail, laundry linen, military and other industries.

In the future, Handheld-Wireless continue to pursue technological innovation, uphold the corporate philosophy of win-win cooperation, and is committed to providing high-quality hareware terminal equipment for industry mobile application service providers with the background of the internet of Things and cloud platforms, and actively promoting the development of the IoT industry.

Product Service



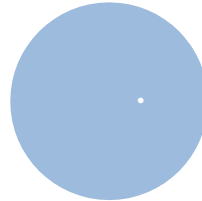
Customized
product service



Standardized
product service



RFID
Productservice



More services

Product list



C6000



C6100



C6200



BX6000



BX6100



BX6200



NB801S



C5000



C6000

Android Mobile Computer

Industrial and Humanized Hardware Design

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

Octa-Core Processor&Large Memory

Android10.0 OS with memory of 3GB RAM /32GB 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



PHYSICAL CHARACTERISTICS	
Dimension	170mm(H)x80mm(W)x20mm(D)±2 mm
Weight	Net Weight :380g (including battery&wrist strap)
Display	Tough 5.5 in. TFT-LCD(720x1440)touch screen with backlight
Backlight	LED backlight
Expansions	2 PSAM, 2 SIM, 1 TF,
Battery	Rechargeable li-ion polymer, 3.8V,4800mAh
PERFORMANCE CHARACTERISTICS	
CPU	Cortex A73 2.0GHz octa-core
Operating System	Android 10.0
Storage	3GB RAM/32GB 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	Handheld-Wireless Software Development Kit
Language	Java
Environment	Android Studio or Eclipse
ACCESSORIES	
Standard	1xPower Supply;1xLithium Polymer Battery;1xType-C cable
Optional	Cradle

DATA COMMUNICATION	
WWAN	TDD-LTE Band 38, 39, 40, 41; FDD-LTE Band 1, 2, 3, 4, 5,7,8,12, 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 5m
BARCODE READER(OPTIONAL)	
2D Barcode	2D CMOS Imager
	Honeywell N6703 2D Scan Engine/ Newland NLS-CM60/Newland NLS-N1
	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 flashAuto-focus with LED flash
RFID READER(OPTIONAL)	
RFID NFC	Frequency
	13.56MHz
	Protocol
	ISO 14443A&15693, NFC-IP1, NFC-IP2
	R/W Range
	3cm to 5cm
PSAM SECURITY(OPTIONAL)	
Protocol	ISO 7816
Baudrate	9600, 19200, 38400,43000, 56000, 57600, 115200
Slot	2 slots(maximum)



RFID



C6100

Android Mobile Computer

Industrial and Humanized Hardware Design

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

Octa-Core Processor&Large Memory

Android10.0 OS with memory of 3GB RAM /32GB 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



PHYSICAL CHARACTERISTICS	
Dimension	170mm(H)x80mm(W)x28mm(D)±2 mm (without the pistol grip and UHF shield)
Weight	Net Weight :500g (including battery&wrist strap)
Display	Tough 5.5 in. TFT-LCD(720x1440)touch screen with backlight
Backlight	LED backlight
Expansions	2 PSAM, 2 SIM, 1 TF,
Battery	Rechargeable li-ion polymer, 3.8V,7200mAh
PERFORMANCE CHARACTERISTICS	
CPU	Cortex A73 2.0GHz octa-core
Operating System	Android 10.0
Storage	3GB RAM/32GB 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	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, 5,7,8,12, 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

BARCODE READER(OPTIONAL)	
2D Barcode	2D CMOS Imager
	Honeywell N6703 2D Scan Engine/ Newland NLS-CM60/Newland NLS-N1
	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 flashAuto-focus with LED flash
RFID READER(OPTIONAL)	
RFID NFC	Frequency 13.56MHz
	Protocol ISO 14443A&15693, NFC-IP1, NFC-IP2
	R/W Range 2cm to 5cm
RFID UHF	Frequency 865~868MHz or 920~925MHz
	Protocol EPC C1 GEN2/ISO 18000-6C
	Antenna Gain Circular antenna(4dBi)
	R/W Range 20m(tags and environment dependent)
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;1xType-C cable
Optional	Cradle





C6200

Android Mobile Computer

Industrial and Humanized Hardware Design

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

Octa-Core Processor&Large Memory

Android10.0 OS with memory of 3GB RAM /32GB 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



PHYSICAL CHARACTERISTICS	
Dimension	170mm(H)x81mm(W)x28mm(D)±2 mm
Weight	Net Weight :400g (including battery&wrist strap)
Display	Tough 5.5 in. TFT-LCD(720x1440)touch screen with backlight
Backlight	LED backlight
Expansions	2 PSAM, 2 SIM, 1 TF,
Battery	Rechargeable li-ion polymer, 3.8V,5200mAh

PERFORMANCE CHARACTERISTICS	
CPU	Cortex A73 2.0GHz octa-core
Operating System	Android 10.0
Storage	3GB RAM/32GB 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-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	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, 5,7,8,12, 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(A-GPS), accuracy of 5m

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

BARCODE READER(OPTIONAL)	
2D Barcode	2D CMOS Imager
	Honeywell N6703 2D Scan Engine/ Newland NLS-CM60/Newland NLS-N1
	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 flashAuto-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 10cm
RFID High Frequency/ NFC	Frequency 13.56MHz
	Protocol ISO 14443A&15693, NFC-IP1, NFC-IP2
	R/W Range 2cm to 5cm
RFID UHF	Frequency 865~868MHz or 920~925MHz
	Protocol EPC C1 GEN2/ISO 18000-6C
	Antenna Gain Circular antenna(2dBi)
	R/W Range 5m(tags and environment dependent)

PSAM SECURITY(OPTIONAL)	
Protocol	ISO 7816
Baudrate	9600, 19200, 38400,43000, 56000, 57600, 115200
Slot	2 slots(maximum)

FINGERPRINT READER(OPTIONAL)	
Sensor	TCS1xx
Sensor type	Capacitive, area sensor
Resolution	508 DPI
Performance	FRR<0.008%, FAR<0.005%
Capacity	1000





BX6000

Android Mobile Computer

Industrial and Humanized Hardware Design

Industrial&humanized keypad design and tough 5.5 inch 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



PHYSICAL CHARACTERISTICS	
Dimension	166mm(H)x79mm(W)x18mm(D)±2 mm
Weight	Net Weight :400g (including battery&wrist strap)
Display	Tough 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 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°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	Handheld-Wireless Software Development Kit
Language	Java
Environment	Android Studio or Eclipse
ACCESSORIES	
Standard	1xPower Supply;1xLithium Polymer Battery;1xType-C cable
Optional	Carrying Case, Cradle

DATA COMMUNICATION	
WWAN	TDD-LTE Band 38, 39, 40, 41; FDD-LTE Band 1, 2, 3, 4, 5,7,8,12, 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 5m
BARCODE READER(OPTIONAL)	
2D Barcode	2D CMOS Imager Zebra SE4710
	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 flashAuto-focus with LED flash
RFID READER(OPTIONAL)	
RFID NFC	Frequency 13.56MHz
	Protocol ISO 14443A&15693, NFC-IP1, NFC-IP2
	R/W Range 2cm to 5cm
PSAM SECURITY(OPTIONAL)	
Protocol	ISO 7816
Baudrate	9600, 19200, 38400,43000, 56000, 57600, 115200
Slot	2 slots(maximum)





BX6100

Android Mobile Computer

Industrial and Humanized Hardware Design

Industrial & humanized keypad design and tough 5.5 inch 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



PHYSICAL CHARACTERISTICS	
Dimension	166mm(H)x79mm(W)x31mm(D)±2 mm (without the pistol grip and UHF shield)
Weight	Net Weight :650g (including battery&wrist strap)
Display	Tough 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 CHARACTERISTICS	
CPU/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°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	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, 5,7,8,12, 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

BARCODE READER(OPTIONAL)	
2D Barcode	2D CMOS Imager
	Zebra Se4710
	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 flashAuto-focus with LED flash
RFID READER(OPTIONAL)	
RFID NFC	Frequency 13.56MHz
	Protocol ISO 14443A&15693, NFC-IP1, NFC-IP2
	R/W Range 2cm to 5cm
RFID UHF	Frequency 865~868MH or /920~925MHz
	Protocol EPC C1 GEN2/ISO 18000-6C
	Antenna Gain Circular antenna(4dBi)
	R/W Range 20m(tags and environment dependent)
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;1xType-C cable
Optional	Cradle





BX6200

Android Mobile Computer

Industrialand Humanized Hardware Design

Industrial&humanized keypad design and tough 5.5 inch 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



PHYSICAL CHARACTERISTICS	
Dimension	166mm(H)x79mm(W)x27mm(D)±2 mm
Weight	Net Weight :430g (including battery&wrist strap)
Display	Tough 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/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°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	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, 5,7,8,12, 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
ACCESSORIES	
Standard	1xPower Supply;1xLithium Polymer Battery;1xType-C cable
Optional	Cradle

BARCODE READER(OPTIONAL)	
2D Barcode	2D CMOS Imager Zebra Se4710
	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 flashAuto-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 5cm
RFID HF/NFC	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 1.5 m to 2 m(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)





NB801S

Industrial Tablet

Industrial and Humanized Hardware Design

Industrial&humanized keypad design and tough 8.0 inch Gorilla Glass 3 touch screen together with high resolution of 1280*800 display shall match high standards in logistics, express and retail.

Quad-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



PHYSICAL CHARACTERISTICS	
Dimension	230mm(H)x146mm(W)x20mm(D)±2 mm
Weight	Net Weight :600g (including battery&wrist strap)
Display	Tough 8.0 in. TFT-LCD(800x1280)touch screen with backlight
Backlight	LED backlight
Expansions	1 PSAM, 1 SIM, 1 TF
Keypads	4 TP keys, 4 function keys
Battery	Rechargeable li-ion polymer, 3.8V,8000mAh
PERFORMANCE CHARACTERISTICS	
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°C to 50°C
Storage Temp	-20°C to 70°C
Humidity	5%RH to 95%RH(non-condensing)
Drop Specifications	1.2 m drop to concrete across the operating temperature range
Sealing	Ip67, 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, 5,7,8,12, 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

BARCODE READER(OPTIONAL)	
2D Barcode	2D CMOS Imager Honeywell N6703/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, Dutch Postal. etc.
COLOR CAMERA	
Resolution	Rear 13 megapixel, front 5.0 megapixel
Lens	Auto-focus with LED flashAuto-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 10cm
RFID HF/NFC	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 1.5 m to 2 m(tags and environment dependent)
PSAM SECURITY(OPTIONAL)	
Protocol	ISO 7816
Baudrate	9600, 19200, 38400,43000, 56000, 57600, 115200
Slot	2 slots(maximum)
ACCESSORIES	
Standard	1xPower Supply;1xDC charging cable 1xUSB data cable





C5000

Android Mobile Computer

Industrial and Humanized Hardware Design

Industrial&humanized keypad design and tough 5.0 inch touch screen together with high resolution of 720*1280 display shall match high standards in logistics, express and retail.

Octa-Core Processor&Large Memory

Android7.0 OS with memory of 2 GB RAM /16 GB ROM or shall provide the highly standard experience.

Superior Data Communication and Security Guarantee

Double insurance of 4G &WIFI network and highly secured Android 7.0 system shall provide the high speed data communication and perfect security guarantee;



Using Environment



PHYSICAL CHARACTERISTICS	
Dimension	170mm(H)x85mm(W)x23mm(D)±2 mm
Weight	Net Weight :400g (including battery&wrist strap)
Display	Tough 5.0 in. TFT-LCD(720x1280)touch screen with backlight
Backlight	LED backlight
Expansions	2 PSAM, 1 SIM, 1 TF
Keypads	3 TP keys, 6 function keys, 4 side
Battery	Rechargeable li-ion polymer, 3.7V,4500mAh
PERFORMANCE CHARACTERISTICS	
CPU/CPU	Quad A53 1.3GHz quad-core
Operating System	Android 7.0
Storage	2GB RAM/16GB ROM MicroSD(max 32GB 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	1.2 m drop to concrete across the operating temperature range
Sealing	Ip67, 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, 5, 7, 8, 12, 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 v4.0
GPS	GPS(embedded A-GPS), accuracy of 5 m

BARCODE READER(OPTIONAL)	
1D Barcode	1D laser engine Honeywell N4313
	Symbologies All major 1D barcodes
2D Barcode	2D CMOS Imager Honeywell N6603/Newland EM3396
	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	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 10cm
RFID HF/NFC	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 dependent)
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	Carrying case; Cradle





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