



# Intelligent industrial grade mobile phone CRUISE1

## Product specification V1.0



**Jiangsu SEUIC technology Co., Ltd.**



## 1. AUTOIDCRUISE1 PERFORMANCE CHARACTERISTICS

<b>CPU</b>	Cortex-A53 eight core (1.5 GHz four core + 1.0 GHz four core)
<b>Operating System</b>	Android 5.1
<b>RAM</b>	2GB
<b>ROM</b>	16GB
<b>Expansion Slot</b>	Micro SD Card, up to 32GB
<b>Interface/Communication</b>	Waterproof TYPE C interface, support for positive and negative insert fast charge, USB communication Back extension interface, support USB2.0 HighSpeed
<b>Keyboard</b>	Volume+, - key, power key, 2 side scan keys, function keys
<b>Display</b>	5.2 inches IPS display, capacitive touch, with gloves or dry/wet hands 1920(H)×1080(W) (1080P)
<b>Power Source</b>	Removable 3.8 V 4500mAh lithium-ion rechargeable battery Bottom TYPE C USB interface/2.5A charging current, intelligent identification PC and charger; Back extension interface, support 2.5A fast charge and USB OTG and VBAT power supply
<b>Notification</b>	Sound, Vibration, LED lights
<b>Audio</b>	Built in waterproof speaker, built in dual microphone (With noise reduction function), 3.5mm stereo headset interface
<b>Sensor (optional)</b>	Gsensor, gyroscope, compass, barometer, Light distance sensor
<b>Dimension</b>	152(H)×75.9(W)×12.8(T)
<b>Weight(with standard battery)</b>	220g (Including battery, depending on the different configurations)
<b>Operating Temp</b>	-25°C to +55°C
<b>Charging Temp</b>	-5°C to +50°C
<b>Storage Temp</b>	-40°C to +60°C (with battery)
<b>Humidity</b>	5% to 95% RH non-condensing
<b>Sealing</b>	IP67
<b>Drop Specification</b>	1.5 meters (concrete at room temperature)
<b>Tumble Specification</b>	1000 times 0.5 meters tumbles (equivalent to 2000 times impact)
<b>ESD</b>	±15kV air, ±8kV direct

## 2. AUTOIDCRUISE1 DATA CAPTURE OPTIONS

Function 1	2D advanced Imagers Scan engine N6603
<b>Image resolution</b>	844(H)×640(V)
<b>Rotate</b>	360°
<b>Pitch Angle</b>	±45°
<b>Skew Tolerance</b>	±65°
<b>Laser Safety Grade</b>	Class 2
<b>Scan Depth</b>	7cm(5mil), 36cm(20mil)
<b>Image frame</b>	60fps



<b>Code supported</b>	Aztec Code, Codabar, Codablock F, Code 11, Code 128, Code 2 of 5, Code 39, Code 93, Data Matrix, EAN/JAN-13, EAN/JAN 8, EAN-UCC Composite Codes, EAN-UCC Emulation, IATA Code 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, MaxiCode, MicroPDF417, MSI, PDF417,Postal Codes (Australian Post,British Post, Canadian Post, China Post, Japanese Post, Korea Post, Netherlands Post, Planet Code,Postnet), Plessey Code, PosiCode, QR Code, RSS Expanded, R TCIF Linked Code 39, Telepen, Trioptic Code, UPC-A, UPC-E Etc.
<b>Lighting</b>	projecting white light illumination, laser aiming
<b>Barcode reflection</b>	20%
<b>Function 2</b>	<b>Image Acquisition (Front camera)</b>
<b>Camera features</b>	Focus
<b>Pixel</b>	5.0 mega pixel
<b>Function 3</b>	<b>Image Acquisition (Rear camera)</b>
<b>Maximum Resolution</b>	4208 x 3120 (photograph) ; 1080p 30fps (camera)
<b>Camera features</b>	phase focusing
<b>Flash light</b>	Support
<b>Pixel</b>	13.0 mega pixel
<b>Function 4</b>	<b>RFID read/write(HF)</b>
<b>Read/write tag</b>	Support ISO15693,ISO14443A/B (without encryption protocol) ,ISO14443A with encryption protocol (Mifare one S50,S70 and compatible cards) ,support for NFC protocol
<b>Working Frequency</b>	13.56MHz HF bands
<b>Reading distance</b>	0-6cm (ISO15693),0-4cm(ISO14443A/B) Reading distance is related with tags
<b>Function 5</b>	<b>Fingerprint identification</b>
<b>Capture function</b>	Capacitive push
<b>Resolution</b>	508ppi
<b>Finish type</b>	Tempered glass cover
<b>Function 6</b>	<b>Security module</b>
<b>Type</b>	Micro PSAM card (if using PSAM, the device does not support this function: dual card dual standby)
<b>Function 7</b>	<b>GPS location information collection</b>
<b>Frequency</b>	GPS(L1,1.575GHz C/A code),Compass (B1,1.561GHz) ,GLONASS (L1,1.602GHz)
<b>Maximum number of channels</b>	31 channel
<b>Sensitivity</b>	-130dB(SNR value is 40dBHz)
<b>Cold start time</b>	40 seconds
<b>Accuracy</b>	5-10meters (OPEN SKY)

### 3. AUTOIDCRUISE1 WIRELESS DATA COMMUNICATIONS

<b>Function 1</b>	<b>WLAN WIFI</b>
<b>Protocol</b>	IEEE 802.11a/b/g/n/ac (2.4G/5G dual-band WIFI)



<b>Frequency</b>	Depends on the country (region),2.4GHz:2.412GHz-2.472 GHz;5GHz: 5.170GHz-5.825GHz
<b>Working channel</b>	CH1~CH13,CH34-CH140,CH149~CH165
<b>Security</b>	OPEN,WEP,WPA2-PSK ( TKIP+AES ) ,TLS,TTLS (MS-CHAP), TTLS(MS-CHAP v2),TTLS (CHAP),TTLSMD5,TTLS-PAP,PEAP-TLS,PEAP(MS-CHAP v2),AES Etc.
<b>Transmission Distance</b>	2.4G>150 meters,5G>85 meters ( Industrial AP, open area )
<b>Data rate</b>	802.11a: download≥25M upload≥25M;Peak value 54M 802.11b: download≥5M upload≥5M;Peak value 11M 802.11g: download≥25M upload≥25M;Peak value 54M 802.11n: download≥75M upload≥75M; 11n @40MHz;Peak value 150M 802.11ac:download≥215M upload≥215M ;11ac @80MHz;Peak value 433M
<b>Antenna</b>	Built-in antenna
<b>Function 2</b>	<b>WWAN 4G Full Netcom ( 7 mode 18 frequency ) ( Dual sim dual standby )</b>
<b>Frequency</b>	GSM:Quad Band(850/900/1800/1900Mhz) TD-SCDMA:Band34,Band39 WCDMA:Band1,Band2,Band5,Band8 CDMA 1x /EVDO :BC0 TDD-LTE:Band38,Band39,Band40,Band41 FDD-LTE:Band1,Band3,Band7
<b>Communication rate</b>	GPRS:DL / UL171.2kbps;EDGE:DL / UL384 kbps TD: DL 4.2 Mbps / UL 2.2 Mbps DC-HSPA+: DL 42Mbps / UL 5.76 Mbps CDMA1x: DL 153.6kbps/ UL 153.6kbps;EVDO: DL 3.1 Mbps / UL 1.8 Mbps TDD-LTE:DL 117 Mbps / UL 30 Mbps ( CAT4) FDD-LTE:DL 150 Mbps / UL 50 Mbps ( CAT4)
<b>Function 3</b>	<b>WPAN Bluetooth</b>
<b>Standard</b>	Bluetooth 4.0 ( Support BLE )
<b>Power</b>	Class 2
<b>Distance</b>	>20m ( industrial-grade Bluetooth adapter)

## 4. AUTOIDCRUISE1 THE THIRD PARTY APPLICATION DEVELOPMENT SUPPORT

<b>System Software</b>	Android 5.1.1
<b>Systems Programming Environment</b>	Eclipse,Android Studio,API Level 22

## 5. AUTOIDCRUISE1 PERIPHERALS AND ACCESSORIES

<b>Standard accessories</b>	The power adapter×1,TYPE C data communication cable×1,hand strap×1,Battery×1
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