



# CRUISE2 Mobile Data Collection Terminal

Specification V1.0



**SEUIC Technologies Co., Ltd.**

## 1. CRUISE2 PERFORMANCE CHARACTERISTICS

<b>CPU</b>	Octa-core 2.0 GHz
<b>Operating System</b>	Android11
<b>Storage</b>	RAM+ROM:4GB+64GB,optional 6GB+64GB
<b>User Storage Extension</b>	Maximum compatible storage: 128GB
<b>Interface/ Communication</b>	Waterproof Type C USB interface, supporting Type C earphone, USB2.0 High Speed, OTG and fast charge
	Nano/TF card, card slot with two out of three
<b>Keyboard</b>	Volume +/- button, Power ON/OFF button, Left Scan button, Right Scan button, Custom button, Virtual On-Screen button (Return button, Home button, Menu button)
<b>Display Screen</b>	5.5-inch display screen, capacitive touch, supporting wet hand mode and glove mode
	Resolution : 720*1440
<b>Power Supply (Main battery)</b>	Detachable 5000mAh lithium ion rechargeable battery
<b>Power Supply (Spare battery)</b>	40mAh lithium ion battery
<b>Notification Mode</b>	Sound, vibrator, LED light indication
<b>Audio</b>	Built-in bottom- sound-out single loudspeaker, built-in dual microphones (with noise reduction function)
<b>Sensor</b>	G- sensor, light sensor, distance sensor, electronic compass, gyroscope
<b>Dimensions</b>	156(H)*76(W)*13.9mm(T) (5000mAh model)
	156(H)*76(W)*16.4mm(T) (6000mAh model)
<b>Weight (including battery)</b>	255g (5000mAh model)
	279g (6000mAh model)
<b>Operating Temperature</b>	-20°C to +55°C
<b>Storage Temperature</b>	-40°C to +70°C
<b>Humidity</b>	5% to 95% RH non-condensing
<b>Waterproof and Dustproof Industrial Grade</b>	IP67
<b>Drop Grade</b>	1.5M

<b>Shock Resistance</b>	1000 rounds, rolling by 0.5m (equivalent to 2000 impacts)
<b>ESD</b>	±15kV air discharge, ±8kV direct discharge

## 2. CRUISE2 DATA CAPTURE OPTIONS

Function 1	2D Image Scan Engine
<b>Optical Resolution</b>	1280(H) * 800(V)
<b>Field Angle</b>	Horizontal: 42°; Vertical: 26.8°
<b>Laser Safety Level</b>	Class II
<b>Rotation Angle of View</b>	360°
<b>Up/Down Inclination Angle of View</b>	±60°
<b>Left/Right Offset Angle of View</b>	±55°
<b>Scanning Accuracy</b>	20mil C128 65mm to 640mm
<b>Bar-Code Support</b>	1D: UPC/EAN, UPC/EAN, Code128, GS 1-128, Code 39, Code 32, Code 93, Code11, Matrix 2 of 5, Interleaved 2 of 5, IATA 2 of 5, Industrial2 of 5, Codabar, MSI, Code11, etc. 2D: PDF417, MicroPDF417, Data Matrix, Maxicode, QR Code, MicroQR, Aztec, etc.
Function2	Geographical Location Information Acquisition
<b>Positioning</b>	GPS+GLONASS+ Beidou, supporting AGPS
<b>Working Mode</b>	GPS for main positioning, Beidou and GLONASS for auxiliary positioning
<b>Frequency</b>	GPS: L1+L5(1.575GHz);Beidou: B1(1.561GHz);GLONASS:L1(1.602GHZ)
Function 3	Image Acquisition by Front Camera
<b>Maximum Resolution Ratio</b>	2592*1944
<b>Pixel</b>	5 mega-pixel
<b>Photographed Function</b>	Fixed-focus
Function 4	Image Acquisition by Back Camera
<b>Maximum Resolution Ratio</b>	4224*3136

<b>Pixel</b>	13 mega-pixel
<b>Photographed Function</b>	PDAF (Phase detection auto focus)
<b>Flash lamp</b>	Support
<b>Function 5</b>	<b>RFID Read/ Write (HF)</b>
<b>Read-Write Tag</b>	Supports tags ISO15693, ISO14443A/B (without encryption protocol), ISO14443A with encryption protocol (Mifare One S50,S70 and compatible cards); supports NFC Protocol
<b>Operating Frequency</b>	HF frequency band: 13.56MHz
<b>Reading Distance</b>	Reading distance: 0-5.5cm (ISO15693), 0-4cm(ISO14443A), 0-1.5cm ID card

### 3.CRUISE2 WIRELESS DATA COMMUNICATION

<b>Function 1</b>	<b>Wireless Local Area Network WIFI</b>
<b>Protocol</b>	IEEE 802.11a/b/g/n/ac (2.4G /5G dual-band WIFI) protocol
<b>Frequency Range</b>	Depending on the country (region): 2.4GHz: 2.412GHz - 2.472GHz; 5GHz: 5.180GHz - 5.825GHz
<b>Working Channel</b>	CH1~CH13, CH36-CH140, CH149~CH165
<b>Security</b>	Supports WPA2 –Personal, WPA2 –Enterprise, EAP-TLS, EAP-TTLS/MSCHAPv2, PEAPv0/EAP-MSCHAPv2, PEAPv1/EAP-GTC, EAP-SIM, EAP-AKA, EAP-AKA Prime
<b>Function 2</b>	<b>Wireless Wide Area Network</b>
<b>Frequency Band (Europe &amp;Asia)</b>	GSM: Qual Band(850/900/1800/1900Mhz) TD-SCDMA:Band34,Band39 WCDMA:Band1,Band2,Band5,Band8 CDMA 1x /EVDO:BC0 TDD-LTE:Band34,Band38,Band39,Band40,Band41 FDD-LTE:Band1,Band3,Band5,Band7,Band8,Band20,Band28
<b>Frequency Band (North America)</b>	GSM:Qual Band(850/900/1800/1900Mhz) WCDMA:Band2,Band4,Band5,Band8 TDD-LTE:Band38,Band39,Band41 (narrow band) FDD-LTE:Band2,Band4,Band 5,Band7,Band8,Band12,Band 17,Band13,Band25,Band26,Band66
<b>Function 3</b>	<b>Wireless Personal Area Network- Bluetooth</b>
<b>Standard</b>	Bluetooth 5.1 (supports BLE)

<b>Power</b>	Class II
--------------	----------

#### 4. CRUISE2 THIRD PARTY APP DEVELOPMENT SUPPORT

<b>System Software</b>	Android 11
<b>System Programming Environment</b>	Eclipse, Android Studio

#### 5. CRUISE2 EXTERNAL EQUIPMENT AND ACCESSORIES

<b>Standard Accessories</b>	Power adapter *1 (18W), USB cable *1
<b>Optional Accessories</b>	Protective cover (including hand strap), whole machine single seat charger, whole machine five-connection seat charger, battery four-connection charger and handle



OGA International (Head Office)  
546 Sukhonthasawat Rd, Ladphrao Sub-District  
Ladphrao District, Bangkok 10230, Thailand  
Tel : 02 025 8888 Fax : 02 025 8880  
Call Center : 02 025 8889



[sales@oga.co.th](mailto:sales@oga.co.th)



OGA International



@OGAGroup