



CRUISE 1-(P) INDUSTRY SMART PHONE

PRODUCT SPECIFICATION V1.5



1. CRUISE 1-(P) PERFORMANCE CHARACTERISTICS

CPU	Cortex™-A53 Octa-core 1.8GHz
Operating System	Android 9.0
Memory	4GB+64GB (4GB+32GB compatible)
SIM Card Interface	Micro SIM ×2(Dual-Card Dual-Standby,The main card supports 4G)
Expansion Slot	Micro SD Card, 128GB SDHC compatible
Interface/Communication	Waterproof Type C USB interface; support USB2.0 high speed ; Support OTG
Keypad	volume +, volume -, Power button, Scan button×2, Home button
Display	5.2 inch size IPS screen, Capacitive touchable
	1920×1080(FHD)
Power Supply	Half-Removable 3.8V 4500mAh li-ion rechargeable battery
	Bottom interface: Type C USB quick charging interface, intelligent identification of PC and special charger
	Back Pogo Pin interface: support for quick charging and USB data communication, VBAT power supply, Scan trigger interface
Notification	Sound, vibration, LED indicator light
Audio	Built-in single speaker /1W, built-in double microphone(Dual mic noise reduction), the 3.5 mm stereo headset interface
Sensor	Acceleration sensor, gyroscope, electronic compass, Barometer, Light-distance sensor
Dimension	152(H)×75.9(W)×12.8(T)
Weight(including standard battery)	227g(The total weight varies with different battery configuration)
Operating Temp	-20℃ to +50℃
Storage Temp	-40℃ to +50℃ (Battery included)
	-40℃ to +70℃ (Battery excluded)
Humidity	5% to 95% RH non-condensing
Sealing Grade	IP67
Drop Specification	Multiple 5 ft./1.5m drops to Mable across the operating temperature range
Tumble Specification	1,000 1.64 ft./0.5 m tumbles (equivalent to 2,000 drops)
ESD	±15kV Air discharge, ±8kV direct discharge

2. CRUISE 1-(P) DATA CAPTURE OPTIONS

Function 1	2D Image Scan Engine (Option 1)
Image Resolution	844(H)×640(V)
Rotate	360°
Pitch Angle	±45°
Skew Tolerance	±65°
Laser Safety Grade	Class II
Image Frame	60fps

Code Support	Codablock F, MicroPDF417, Code 11, MSI, Code 128, PDF417, Code 2 of 5 , Plessey Code, Code 39, PosiCode, Code 93, QR Code, Data Matrix, RSS Expanded, EAN/JAN-13, RSS Limited, EAN/JAN 8, RSS-14, EAN-UCC Composite Codes, TCIF Linked Code 3, EAN-UCC Emulation, Telepen, IATA Code 2 of 5, Trioptic Code, Interleaved 2 of 5, UPC-A, UPC E , Postal Codes (Australian Post, British Post, Canadian Post, China Post, Japanese Post, Korea Post, Netherlands Post, Planet Code, Postnet),
Light source system	White light, laser aiming
Minimum printing contrast	20%
Function 2	2D Image Scan Engine (Option 2)
Image Resolution	1280(H)× 800(V)
Rotate	360°
Pitch Angle	±60°
Skew Tolerance	±55°
Laser Safety Grade	Class II
Image Frame	60fps
Code Support	1D: UPC/EAN, UPC/EAN, Code128, GS1-128, 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.
Light source system	Warm white light, laser aiming
Minimum printing contrast	20%
	2D Image Scan Engine(Option 3)
Image Resolution	1280(H)× 800(V)
View Field Angle	Horizontal 42° and vertical 26.8°
LED supplementary lighting source	Bright and uniform warm illuminating light with color temperature of 2700K Lifespan: comply with IESNA LM-80 standards
Aimer	Cross-shape aiming laser
Laser Safety Grade	Class II
Image Frame	60fps
Depth of Focus	Code128(5mil), DOF:10cm. Code128(20mil), DOF:80cm Resolution:5mil
Code Support	1D: UPC/EAN, UPC/EAN, Code128, GS1-128, 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.
2D Image Scan Engine(Option 4)	
Image Resolution	1280(H)× 800(V)
View Field Angle	Horizontal 42° and vertical 26.8°
LED supplementary lighting source	Bright and uniform warm illuminating light with color temperature of 2700K Lifespan: comply with IESNA LM-80 standards
Aimer	Cross-shape aiming laser
Laser Safety Grade	Class II
Image Frame	60fps
Depth of Focus	Code128(3mil), DOF:9cm. Code128(20mil), DOF:57.5cm Resolution:3mil
Code Support	1D: UPC/EAN, UPC/EAN, Code128, GS1-128, 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.
2D Image Scan Engine(Option 5)	
Image Resolution	1280(H)× 800(V)
View Field Angle	Horizontal 42° and vertical 26.8°
LED supplementary lighting source	Bright and uniform warm illuminating light with color temperature of 2700K Lifespan: comply with IESNA LM-80 standards
Aimer	Cross-shape aiming laser
Laser Safety Grade	Class II
Image Frame	60fps
Depth of Focus	Code128(3mil), DOF:10cm. Code128(20mil), DOF:89cm Resolution:3mil
Code Support	1D: UPC/EAN, UPC/EAN, Code128, GS1-128, 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.
Function 3	Camera
Front Camera	
Photo Function	Phase Direction Auto Focus

Pixel	5.0 mega pixel
Rear Camera	
Photo Function	Auto Focus)
Pixel	13 mega pixel
Flashlight	Support double flashlights
Function 4	RFID Read/Write (HF)
Standards Support	Support ISO15693,ISO14443A/B(without encryption protocol), ISO14443A tag with encryption protocol (Mifare one S50,S70 and compatible with cards); Support NFC protocol
Operating Frequency	HF frequency 13.56MHz
Reading Distance	0 to 6cm (ISO15693), 0 to 4cm (ISO14443A), 0 to 1cm (ISO14443B) The reading distance varies by the tag type within the range.
Function 5	Security module
Type	Micro PSAM Card (The device doesn't support dual cards-dual standby with the PSAM function on)
Function 6	GPS Location information collection
Positioning system	GPS, Beidou, GLONASS(Three in one)
Frequency	GPS: L1(1.575GHz); Beidou: B1(1.561GHz); GLONASS: L1(1.602GHz)
Accuracy	5-10meter(OPEN SKY)

3. CRUISE 1-(P) WIRELESS DATA COMMUNICATION

Function 1	WLAN WIFI
Protocol	IEEE 802.11a/b/g/n/ac(2.4G/5G dual-frequency WIFI)
Frequency Range	Depending on the country (region),2.4GHz is 2.412GHz-2.472GHz; 5GHz is 5.170GHz-5.825GHz
Function 2	WWAN All Network(7 mode 18 frequency)
Frequency Band	GSM: Qual 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, Band5,Band7, Band8
Function 3	WPAN Bluetooth
Standard	Bluetooth 4.2(Support BLE)
Power	Class II

4. CRUISE 1-(P) THIRD PARTY APPLICATION DEVELOPMENT SUPPORT

System Software	Android 9.0
System programming	Eclipse, Android Studio

environment	
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5. CRUISE 1-(P) EXTERNAL EQUIPMENT AND ACCESSORIES

Standard Accessories	Universal adapter×1, Type C USB cable×1, Hand Tether×1,
Optional Accessories	Single-Slot Charging Dock, Single-Slot Charging Dock(Support Ethernet), 5-Slot Charging Dock, Protective cover, Screen protector

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