Seuic

AUTOID® Q7-(GRIP) SERIES HAND-HELD TERMINAL

PRODUCT SPECIFICATION V1.3

JIANGSU SEUIC TECHNOLOGY CO., LTD

Seuic

1. AUTOID®Q7-(GRIP) PERFORMANCE CHARACTERISTICS

CPU	Cortex™-A53 Octa core 1.8GHz
Operating System	Android9.0
RAM	3GB
ROM	16GB
Expansion Slot	Micro SD Card, 32GB SDHC compatible
Interface/Communication	Support USB2.0 HighSpeed, support OTG
Keypad	31keys
	LED(buttons with backlight)
Display	4.0 inch size industrial grade low temperature resistant, Capacitive, touchable, dual mode touch-with or without a thick glove / with or without wet hand
	800(H)×480(W) (WVGA)
Power	Detachable 3.7V rechargeable Li-ion battery, Standard battery: Average capacity 5200mAh
	Built in li-ion backup battery
	Standard Micro USB, intelligent identification of PC and special charger; support Charging Cradle
Notification	Sound, Vibrator, LED indicator
Audio	Built-in loudspeaker, built-in dual microphone
Sensor	Standard: Optical sensor, Proximity sensor Optional: Acceleration sensor, electronic compass and gyroscope
Dimension	203(H)×72(W)×27(T)mm , (width 70mm side keys excluded)
Weight(including standard battery)	All-pass network: 495g (battery and pistol grip included, varies by different configurations) WIFI version: 490g (battery and pistol grip included, varies by different configurations) All-pass network: 420g (battery included, without pistol grip, varies by different configurations) WIFI version: 410g (battery included, without pistol grip, varies by different configurations)
Operating Temp	-20℃ to +50℃
Storage Temp	-40℃ to + 60℃　(Battery included) -40℃ to + 70℃　(Battery excluded)
Humidity	5% to 95% RH non-condensing
Sealing	IP65
Drop Specification	Multiple 5.8 ft./1.8m drops to marble across the operating temperature range Laser Aiming: Laser drop resistance: multiple drop testing 1.5m(4.9feet) on marble stage
ESD	±15kV Air discharge,±8kV direct discharge

2. AUTOID®Q7-(GRIP) DATA CAPTURE FUNCTIONS

Function 1	2D Image Scan Engine (optional)
Sensor Resolution	1280(H)×800(V)
Rotate	360°
Pitch Angle	±60°
Skew Tolerance	±55°
Laser safety grade	Class II
Image frame rate	60fps
Scan depth	Code128: 10cm(5mil),80cm(20mil)
Code support	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, PDF417, MicroPDF417,Data Matrix, Maxicode, QR Code, MicroQR, Aztec etc.
Light source system	White light, Red corss-shape laser aiming
Minimum printing contrast	20%
Function 2	**Laser Aiming**
Optical power	Mix: 12mW,　Standards: 15mW,　Max: 18mW
Operating Current	150mA
Operating Voltage	Min: 3.0V　Max: 3.3V
operating temperature	-10℃～+40℃
storage temperature	-20℃～+60℃
Function 3	**GPS**
Positioning system	GPS, Beidou, GLONASS(Three in one)
Frequency	GPS:L1(1.575GHz); Beidou: B1(1.561GHz);　GLONASS:L1(1.602GHZ)
Maximum number of channels	31channels
Sensitivity	-130dB(SNR value as 40dBHz)
Accuracy	5-10meter(OPEN SKY)
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 its compatible cards); Support NFC protocol and ID certificates.
Operating Frequency	HF frequency band 13.56MHz
Reading Range	Typical values bigger than 6cm for ISO15693, Typical values bigger than 4cm for ISO14443A, and Typical values bigger than 1cm for ISO14443B varies by different tags.
Function 5	**Camera**

Maximum Resolution	3264 * 2448 (taking photo), 1080P 60fps (making video)
Photo Function	Auto-focus
Pixel	13 mega

3. AUTOID®Q7-(GRIP) WIRELESS DATA COMMUNICATIONS

Option 1	WLAN WIFI
Protocol	IEEE 802.11a/b/g/n/ac(2.4G/5G dual-frequency WIFI)
Frequency Range	Depends on different countries (regions), 2.4GHz: 2.412GHz-2.477GHz; 5GHz: 5.17GHz-5.825GHz
Working Channel	CH1~CH14, CH34~CH165
Security	Safe mode: legacy[3], WPA, WPA2, 802.1X Encrypted mode: WEP40/WEP104, TKIPand AES ID verification: TIS; TTIS(CHAP[3], MSCHAP, MSCHAPv2, PAP or MD5[3]); PEAP(TIS[3], MSCHAPv2, GTC); LEAP;FAST(TIS[3], MSCHAPv2, GTC) Others: Support IPv6
Data Rate	802.11a: 6,9,12,18,24,36,48,54Mbps 802.11b: 1,2,5.5,11Mbps 802.11g: 6,9,12,18,24,36,48,54Mbps 802.11n: 6.5,13,19.5,26,39,52,58.5,65Mbps(20MHz,Long GI,800ns) 802.11n:7.2,14.4,21.7,28.9,43.3,57.8,65,72.2Mbps(20MHz,short GI,400ns) 802.11n: 6.5,13,19.5,26,39,52,58.5,65Mbps(20MHz,Long GI,800ns) 802.11n:7.2,14.4,21.7,28.9,43.3,57.8,65,72.2Mbps(20MHz,short GI,400ns) 802.11n:13.5,27,40.5,54,81,108,121.5,135Mbps(40MHz,Long GI,800ns) 802.11n:15,30,45,60,90,120,135,150Mbps(40MHz,short GI,400ns) 802.11ac:6.5,13,19.5,26,39,52,58.5,65,78Mbps(20Mhz,Long GI,800ns 802.11ac:7.2,14.4,21.7,28.9,43.3,57.8,65,72.2,86.7(20MHz,short GI,400ns) 802.11ac:13.5,27,40.5,5481,108,121.5,135,162,180Mbps(40Mhz,Long GI,800ns 802.11ac:15,30,45,60,90,120,135,150,180,200Mbps(40MHz,short GI,400ns) 802.11ac:29.3,58.5,87.8,117,175.5,234,263.3,292.5,351,390Mbps(80Mhz,Long GI,800ns 802.11ac:32.5,65,97.5,130,195,260,292.5,325,390,433.3Mbps (80MHz,short GI,400ns)
Antenna	Built-in antenna
Option 2	WWAN WCDMA
Frequency Band	GSM: Qual Band(850\900\1800Mhz) TD-SCDMA: Band34\Band39 WCDMA: Band1\Band5\Band8

	CDMA 1x /EVDO : BC0
	TDD-LTE: Band38\Band39\Band40\Band41
	FDD-LTE: Band1\Band3\Band5\Band7\Band8
Communication Rate	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)
Option 3	**WPAN Bluetooth**
Standard	Bluetooth 4.2(Dual mode, Support BLE)
Power	Class II

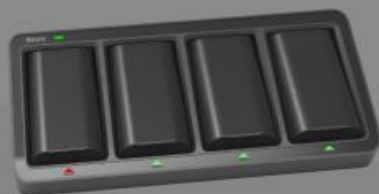# 4. AUTOID®Q7-(GRIP) THE THIRD PARTY APPLICATION DEVELOPMENT SUPPORT

System Software	Android 9.0
System programming environment	Android Studio

5. AUTOID®Q7-(GRIP) PERIPHERALS AND ACCESSORIES

Standard Accessories	Universal Adapter×1, USB Cable×1, Hand Belt×1, battery×1
Optional Accessories	Four Slot Battery Charger, Single Slot Device Charger include battery, Single Slot Charging Dock include battery (support ehernet), USB cable with end flap clip, Touch pen, Multifunctional bag, Vehicle charger, OTG data cable, Hand Tether, Five-slot Device Charger, Five-slot Device Charger(support ehernet), Pistol Grip, Tempered glass screen protector

Optional Accessory

4-Slot Battery Charger

Model: 7N-SC02

Single Charging Dock

Model: 7N-DT03

Support Ethernet
Model: 7N-DT04

Penta Charing Dock

Model: 7Y-WZ01

Support Ethernet
Model: 7Y-WZ02

Optional Accessory

Multi-use back pack

Model: D310U_BAG_V1

Attachable Trigger Handle

Model: 7Y-HD01

Stylus

Model: D3F_PEN_V1

Stylus Rope

Model: ROPE_100324