



# AUTOID<sup>®</sup> Q7(Cold) SERIES PORTABLE TERMINAL

## PRODUCT SPECIFICATION V1.1



**JIANGSU SEUIC TECHNOLOGY CO., LTD**

## 1. AUTOID® Q7(Cold) PERFORMANCE CHARACTERISTICS

<b>CPU</b>	Cortex™-A53 Quad core 1.4GHz
<b>Operating System</b>	Android 7.1
<b>RAM</b>	2GB
<b>ROM</b>	16GB
<b>Expansion Slot</b>	Micro SD Card, 32GB SDHC compatible
<b>Interface/Communication</b>	Support USB2.0 High Speed, support OTG
<b>Keypad</b>	31keys
	LED(buttons with backlight)
<b>Display</b>	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)
<b>Power</b>	Detachable 3.7V rechargeable Li-ion battery, Average capacity 6200mAh
	Built in li-ion backup battery
	Standard Micro USB, intelligent identification of PC and special charger; support Charging Dock
<b>Notification</b>	Sound, Vibrator, LED indicator
<b>Audio</b>	Built-in loudspeaker, built-in microphone
<b>Sensor</b>	Optical sensor, Proximity sensor
<b>Dimension</b>	203(H)×72(W)×35(T)mm , (width 70mm side keys excluded)
<b>Weight(including standard battery)</b>	WIFI version: 490g (battery and grip pistol included, varies by different configurations)
<b>Operating Temp</b>	-25°C to +50°C
<b>Storage Temp</b>	-40°C to + 60°C (Battery included)
	-40°C to + 70°C (Battery excluded)
<b>Humidity</b>	5% to 95% RH non-condensing
<b>Sealing</b>	IP65
<b>Drop Specification</b>	Multiple 5.8 ft./1.8m drops to marble across the operating temperature range
<b>Tumble Specification</b>	1,000 1.64 ft./0.5 m tumbles (equals to 2,000 drops)
<b>ESD</b>	±15kV Air discharge,±8kV direct discharge

## 2. AUTOID® Q7(Cold) DATA CAPTURE OPTIONS

Option 1	2D Image Scan Engine (option1)
<b>Sensor Resolution</b>	1280(H)×800(V)
<b>Rotate</b>	360°
<b>Pitch Angle</b>	±60°

<b>Skew Tolerance</b>	±55°
<b>Laser safety grade</b>	Class II
<b>Image frame rate</b>	60fps
<b>Scan depth</b>	Code128: 10cm(5mil), 80cm(20mil)
<b>Code support</b>	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. PDF417, MicroPDF417, Data Matrix, Maxicode, QR Code, MicroQR, Aztec etc.
<b>Light source system</b>	White light, Red cross-shape laser aiming
<b>Minimum printing contrast</b>	20%
<b>Option 2</b>	<b>Camera (option 2)</b>
<b>Maximum Resolution</b>	2592*1944(taking photo), 1080P 30fps (making video)
<b>Photo Function</b>	Auto-focus
<b>Pixel</b>	5 mega

### 3. AUTOID® Q7(Cold) WIRELESS DATA COMMUNICATIONS

Option 1	WLAN WIFI
<b>Protocol</b>	IEEE 802.11a/b/g/n/ac(2.4G/5G dual-frequency WIFI)
<b>Frequency Range</b>	Depends on different countries (regions), 2.4GHz: 2.412GHz-2.477GHz; 5GHz: 5.17GHz-5.825GHz
<b>Working Channel</b>	CH1~CH14, CH34~CH165
<b>Security</b>	Safe mode: legacy <sup>3</sup> , WPA, WPA2, 802.1X Encrypted mode: WEP40/WEP104, TKIP 和 AES ID verification: TIS; TTIS(CHAP <sup>3</sup> , MSCHAP, MSCHAPv2, PAP 或 MD5 <sup>3</sup> ); PEAP(TIS <sup>3</sup> , MSCHAPv2, GTC); LEAP;FAST(TIS <sup>3</sup> , MSCHAPv2, GTC) Others: Support IPv6

<b>Data Rate</b>	<p>802.11a: 6,9,12,18,24,36,48,54Mbps</p> <p>802.11b: 1,2,5.5,11Mbps</p> <p>802.11g: 6,9,12,18,24,36,48,54Mbps</p> <p>802.11n: 6.5,13,19.5,26,39,52,58.5,65Mbps(20MHz,Long GI,800ns)</p> <p>802.11n:7.2,14.4,21.7,28.9,43.3,57.8,65,72.2Mbps(20MHz,short GI,400ns)</p> <p>802.11n: 6.5,13,19.5,26,39,52,58.5,65Mbps(20MHz,Long GI,800ns)</p> <p>802.11n:7.2,14.4,21.7,28.9,43.3,57.8,65,72.2Mbps(20MHz,short GI,400ns)</p> <p>802.11n:13.5,27,40.5,54,81,108,121.5,135Mbps(40MHz,Long GI,800ns)</p> <p>802.11n:15,30,45,60,90,120,135,150Mbps(40MHz,short GI,400ns)</p> <p>802.11ac:6.5,13,19.5,26,39,52,58.5,65,78Mbps(20Mhz,Long GI,800ns)</p> <p>802.11ac:7.2,14.4,21.7,28.9,43.3,57.8,65,72.2,86.7(20MHz,short GI,400ns)</p> <p>802.11ac:13.5,27,40.5,54,81,108,121.5,135,162,180Mbps(40Mhz,Long GI,800ns)</p> <p>802.11ac:15,30,45,60,90,120,135,150,180,200Mbps(40MHz,short GI,400ns)</p> <p>802.11ac:29.3,58.5,87.8,117,175.5,234,263.3,292.5,351,390Mbps(80Mhz ,Long GI,800ns)</p> <p>802.11ac:32.5,65,97.5,130,195,260,292.5,325,390,433.3Mbps(80MHz,short GI,400ns)</p>
<b>Antenna</b>	Built-in antenna

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

<b>System Software</b>	Android 7.1
<b>System programming environment</b>	Android Studio

#### 5. AUTOID® Q7(Cold) PERIPHERALS AND ACCESSORIES

<b>Standard Accessories</b>	Universal Adapter×1, USB Cable×1, Hand Belt×1, battery×1
<b>Optional Accessories</b>	Single Slot Battery Charger, Four Slot Battery Charger, Single Slot Charging Dock include battery (support Ethernet), Single Slot Charging Dock include battery, USB cable with end flap clip, Touch pen, Vehicle charger, OTG data cable, Hand Tether, Five-slot charging dock, Five-slot charging dock(support Ethernet)