

**PRODUCT SPECIFICATION V1.2**  
**AUTOID 6L (W) SERIES**



Jiangsu SEUIC Technology Co., Ltd.

## 1. AUTOID6L (W) PERFORMANCE CHARACTERISTICS

<b>CPU</b>	Ti ARM® Cortex™-A8 AM3715/DM3730 1GHz
<b>Operating System</b>	Microsoft® Windows® CE 6.0
<b>RAM</b>	512MB
<b>ROM</b>	512MB
<b>User's storage</b>	4GB(non-removable and built-in)
<b>Expansion Slot</b>	Micro SD Card,32GB SDHC compatible
<b>Keypad</b>	28keys
	LED(buttons with backlight)
<b>Display</b>	3.5" industrial color LCD, resistive touch,320*240
<b>Power</b>	Detachable 3.7V 3800mAh rechargeable Li-ion battery
	Built-in backup battery: non-removable 3.7V/100mAh rechargeable battery
<b>Charging</b>	Special 5V voltage charger,1.5A current PC USB charging 0.5A current Intelligently identify PC and special charger to switch 0.5A/1.5A charging current
<b>Interface/Communication</b>	Standard Micro USB interface ,Support USB2.0 HighSpeed
<b>Notification</b>	Sound, Vibrator, LED indicator
<b>Audio</b>	Built-in loudspeaker
<b>Dimension</b>	169(H)×72(W)×36(T)mm , (width 72mm without side keys)
<b>Weight(including standard battery)</b>	313g(Including battery depends on different configurations)
<b>Operating Temp</b>	-20℃ to +50℃
<b>Storage Temp</b>	-40℃ to +60℃
<b>Humidity</b>	5% to 95% RH non-condensing
<b>Sealing</b>	IP65
<b>Drop Specification</b>	Multiple 5 ft./1.5m drops to concrete across the operating temperature range
<b>Tumble Specification</b>	1,000 circle 1.64 ft./0.5 m tumbles (2,000 drops)
<b>ESD</b>	±15kV Air discharge,±8kV direct discharge

## 2. AUTOID6L (W) DATA CAPTURE OPTIONS

Option 1	1D Advanced Laser Scan Engine
<b>Scan Accuracy</b>	5mil
<b>Rotate</b>	±35°
<b>Pitch Angle</b>	±65°
<b>Skew Tolerance</b>	±50°
<b>Ambient Light</b>	Sunlight: 10,000ft. Candles(107,640Lux)
	Artificiallight:450ft.candles(4,844Lux)
<b>Scan Depth</b>	25.4cm(10mil),101.6cm(40mil)
<b>Scan Frequency</b>	min.92/sec, model: 104, max.116 times(bi-directional)
<b>Scan Width</b>	47°/35°/10°
<b>Laser safety grade</b>	Class 2
<b>Code Support</b>	UPC/EAN, POST, Code 128, Code 39, Code 93, Code 11, Codabar,

	Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, MSI, RSSI etc.
<b>Option 2</b>	<b>1D Laser Scan Engine</b>
<b>Scan Accuracy</b>	5mil
<b>Rotate</b>	±35°from vertical
<b>Pitch Angle</b>	±65°from normal
<b>Skew Tolerance</b>	±50°from normal
<b>Ambient Light Immunity</b>	Sunlight:10,000ft
<b>Scan Depth</b>	13.5cm(5mil),91cm(55mil)
<b>Scan Frequency</b>	100±10/sec.
<b>Scan Width</b>	47°
<b>Laser Power</b>	1.7mw±0.2mw(Type)
<b>Code Support</b>	UPC-A,UPC-E,EAN-8,EAN-13,Code 128,Code 39, Code 93,Code 11,Codabar,Interleaved 2 of 5,Discrete 2 of 5,Chinese 2 of 5,MSI,RSSI etc.
<b>Option 4</b>	<b>2D Advanced Imager Scan Engine</b>
<b>Sensor Resolution</b>	752(H)×480(V) Pixel Wide VGA
<b>Rotate</b>	360°
<b>Pitch Angle</b>	±60°from normal
<b>Skew Tolerance</b>	±60°from normal
<b>VLD</b>	655nm±10nm
<b>LED</b>	635nm±5nm
<b>Ambient Light(Sunlight)</b>	9000 ft. Candles(96,900Lux)
<b>Optional Model: SR</b>	Offers the best range and performance on medium and low density 1D and 2D barcodes
<b>Optional Model: DL</b>	Optimized for medium to high density bar codes as well as the bar codes found on driver's licenses and other identification documents, ideal for border crossings as well as the healthcare and electronics industry
<b>Optional Model: HD</b>	Optimal design special for ultrahigh density 1D and 2D bar code
<b>Option 5</b>	<b>2D Imager Scan Engine</b>
<b>Field of View</b>	Horizontal:41.4 ,Vertical:32.2
<b>Sensor Resolution</b>	838(H) x 640(V)Pixel Wide
<b>Rotate</b>	360°
<b>Pitch Angle</b>	±45°from normal
<b>Skew Tolerance</b>	±65°from normal
<b>VLD</b>	528nm±10nm
<b>LED</b>	617nm±10nm
<b>Ambient Light(Sunlight)</b>	0-100000 Lux

<b>Code Support</b>	1D CODE:UPC/EAN/JAN, GS1 DataBar, Code 39, Code 128, Code 32, Code 93, Codabar/NW7, Interleaved2 of 5, Code 2 of 5, Matrix 2 of 5, MSI, Telepen, Trioptic, China Post; 2D Stacked: PDF417, MicroPDF417, GS1Composite; 2D matrix code:Aztec Code, Data Matrix, QR Code, Micro QR Code, MaxiCode, Han Xin Code;Postal: Intelligent Mail Barcode, Postal-4i, Australian Post, British Post, Canadian Post, Japanese Post,Netherlands (KIX) Post, Postnet, Planet Code; OCR option :OCR-A, OCR-B, E13B (MICR)
<b>Option 6</b>	<b>RFID Read/write(HF)</b>
<b>Standards Support</b>	ISO15693,ISO14443A
<b>Operating Frequency</b>	HF frequency band 13.56MHz
<b>Reading Range</b>	0~5cm (ISO15693),0-4cm(ISO14443A)
<b>Option 7</b>	<b>Camera</b>
<b>Maximum Resolution</b>	2592*1944,2048*1536,1600*1200,1024*768
<b>Photo Function</b>	Auto-focus
<b>Flashlight</b>	Support flashlight (support BSI)
<b>Pixel</b>	5.0 mega-pixel
<b>Option 8</b>	<b>GPS</b>
<b>Hot Start</b>	<2 seconds (Average)
<b>Warm Start (autonomous)</b>	<35 seconds (Average)
<b>Warm Start (with CGEE)</b>	10 seconds (Type)
<b>Cold Start</b>	<35 seconds(Average)
<b>Accuracy</b>	5m

### 3. AUTOID6L (W) WIRELESS DATA COMMUNICATIONS

<b>Option 1</b>	<b>WLAN WIFI</b>
<b>Protocol</b>	IEEE 802.11b/g/n
<b>Frequency Range</b>	Depends on different countries (regions), 2.4GHz to 2.5GHz in normal
<b>Working Channel</b>	CH1~CH14
<b>Security</b>	OPEN,WEP,WPA-PSK(TKIP),WPA2-PSK(TKIP+AES),TLS,TTLS(MS-CHAP), TTLS(MS-CHAPv2),TTLS(CHAP),TTLSMD5,TTLS-PAP,PEAP-TLS,PEAP(M S-CHAP v2),WPA-AES,Support CCX v4 etc.
<b>Output power</b>	802.11b /11Mbps : 15 dBm ± 1.5 dB @ EVM ≤ -9dB 802.11g /54Mbps : 15 dBm ± 1.5 dB @ EVM ≤ -25dB 802.11n /65Mbps : 15 dBm ± 1.5 dB @ EVM ≤ -28dB
<b>Sensitivity</b>	802.11b @8% PER: - 1Mbps PER @ -93 dBm, typical 802.11g @10% PER: - 6Mbps PER @ -89 dBm, typical 802.11n @10% PER: - MCS=0 PER @ -86 dBm, typical
<b>Transmission Distance</b>	>150 meters(Industrial grade AP, Open regions)
<b>Data Rate</b>	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)
<b>Antenna</b>	Internal single antenna
<b>Option 2</b>	<b>WWAN WCDMA (nonsupport phone)</b>
<b>Frequency Band</b>	GSM/GPRS/EDGE: Dual band GSM 900/1800MHz UMTS/HSPA+: Dual band UMTS 900/2100MHz
<b>Transmitted Power</b>	Class 4 (+33dBm ±2dB) : EGSM900 Class 1 (+30dBm ±2dB) : GSM1800 Class E2 (+27dBm ± 3dB): GSM 900 8-PSK Class E2 (+26dBm +3 /-4dB): GSM 1800 8-PSK Class 3 (+24dBm +1/-3dB) : UMTS 2100, WCDMA FDD Bdl Class 3 (+24dBm +1/-3dB) : UMTS 900, WCDMA FDD BdVIII
<b>Communication Rate</b>	HSPA features: 3GPP Release6,7 Maximum downlink data transmission: 7.2Mbps Maximum uplink data transmission: 5.7Mbps  UMTS features: 3GPP Release 4: PS domain (data) – 384 kbps DL / 384 kbps UL CS domain (voice) – 64 kbps DL / 64 kbps UL GSM/GPRS/EGPRS features: GPRS: GPRS data downlink transmission maximum: 85.6kbps (Class 12, up and down symmetric) GPRS data uplink transmission maximum: 85.6kbps (Class 12, up and down symmetric) Encoding format: CS-1; CS-2; CS-3; CS-4 EGPRS: The maximum rate per time slot is 59.2 Kbps; (MCS-9) The maximum rate of EGPRS 8 slot is 474 Kbps (MCS-9).
<b>Function 3</b>	<b>WPAN Bluetooth</b>
<b>Standard</b>	Bluetooth 2.1 (EDR)
<b>Power</b>	Class 2
<b>Distance</b>	>20 meters(Industrial grade Bluetooth adapter)

#### 4. **AUTOID6L (W) The third party application development support**

<b>System Software</b>	SEUIC's SDK
<b>System programming environment</b>	Visual Studio 2008(Support .NET CF 3.5)

#### 5. **AUTOID6L (W) PERIPHERALS AND ACCESSORIES**

<b>Standard Accessories</b>	Universal Adapter×1, USB Cable×1, Touch Pen×1, Hand Belt×1, battery×1
<b>Optional Accessories</b>	Single Slot Battery Charger, Four Slot Battery Charger, Auto Adapter, Single Slot Charging Dock ,Single Slot Charging Dock(Include Ethernet interface) ,handle, etc.

