

**Seuic**



Your Trusted Mobile Data Expert

# **AUTOID 6L-W SERIES HANDHELD TERMINAL**

## Datasheet



Jiangsu SEUIC Technology Co., Ltd



## AUTOID6L –W Performance Characteristics

CPU	Ti ARM® Cortex™-A8 AM3715 1GHz
Operating System	Microsoft® Windows® CE 6.0
RAM	512MB
ROM	<b>512MB</b>
User Memory Space	<b>4GB (non-removable and built-in)</b>
User Memory Expansion	Micro SD Card,32GB SDHC compatible
Keyboard	28keys
	LED ( buttons with backlit)
Display	3.5" industrial color LCD, resistive touch, 320*240 (optional 640*480)
Power source	Detachable 3.7V <b>3600Ah</b> rechargeable Li-ion battery
	Built-in backup battery : non-removable 3.7V/100mAh rechargeable battery
Charging	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
Data communication interface	Standard MicroUSB interface , Support USB2.0 HighSpeed
Notification	Voice、Vibrator、LED indicator
Audio	Built-in loudspeaker、microphone
Dimension	169(H)×72(W)×36(T)mm , (width 72mm without side keys)
Weight(with standard battery)	313g (with battery, slight differ according to detailed configuration)
Operating Temperature	-25°C to +60°C
Storage Temperature	-45°C to +60°C
Humidity	5% to 95% RH non-condensing
<b>Sealing level rate</b>	<b>IP65</b>
Drop Specification	<b>Multiple drops to concrete: 5 ft./1.5 m across the operating temperature range</b>
Tumble Specification	1000 hits 0.5m tumbles at room temperature (equivalent to 2000 times impact)
ESD	±15kV air discharge, ±8kV direct discharge

## AUTOID6L -W Data Capture Options

Option 1	<b>1D High Performance Laser Scan Engine SE955</b>
Optical Resolution	0.004 inch minimum element width
Rotate	±35°from vertical
Pitch Angle	±65°from normal
Skew Tolerance	±50°from normal
Ambient Light Immunity	sunlight:10,000ft. Candles(107,640Lux)
	Artificiallight:450ft.candles(4,844Lux)
Scan Depth	15.2cm(4mil), 64.1cm(55mil)
Scan Rate	min.92/sec, model: 104, max.116 times(bi-directional)



Scan Width	47°, 35°
Laser Power	0.7mw±0.1mw
Code Support	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 2</b>	<b>1D Laser Scan Engine</b>
Optical Resolution	0.005 inch minimum element width
Rotate	±35°from vertical
Pitch Angle	±65°from normal
Skew Tolerance	±50°from normal
Ambient Light Immunity	Sunlight:10,000ft
Scan Depth	13.5cm(5mil), 91cm(55mil)
Scan Rate	100±10times/sec.
Scan Width	47°
Laser Power	1.7mw±0.2mw( standard)
Code Support	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 3</b>	<b>2D Scan engine SymbolSE4500</b>
Sensor resolution	752(H)×480(V) Pixel Wide VGA
Rotate	360°
Pitch Angle	±60°from normal
Skew Tolerance	±60°from normal
Aiming Element (VLD)	655nm±10nm
Illumination Element (LED)	635nm±5nm
Ambient Light(Sunlight)	9000 ft. Candles(96,900Lux)
Optional Model: SR	Offers the best range and performance on medium and low density 1D and 2D barcodes
Optional Model: DL	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
Optional Model: HD	Optimal design special for ultrahigh density 1D and 2D bar code
<b>Option 4</b>	<b>2D Scan engine Honeywell 5600</b>
Field of View	Horizontal: 41.4 , Vertical: 32.2
Sensor resolution	838 (H) x 640 (V) Pixel Wide
Rotate	360°
Pitch Angle	±45°from normal
Skew Tolerance	±65°from normal
Aiming Element (VLD)	528nm±10nm



Illumination Element (LED)	617nm±10nm
Ambient Light(Sunlight)	0-100000 Lux
Code Support	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)
Option 5	HF
Standards Supported	ISO15693、ISO14443A
Working frequency	HF frequency band 13.56MHz
Read range	0~5cm (ISO15693),0-4cm(ISO14443A)
Option 6	Image capture
Resolution Ratio	2592*1944,2048*1536,1600*1200,1024*768
Focal Distance	Auto-focusing
Flashlight	Support flashlight (support BSI)
Pixel	5.0 megapixel
Option 7	GPS
Hot Start	<2 seconds (Average)
Warm Start (autonomous)	<35 seconds (Average)
Warm Start (with CGEE)	10 seconds (model)
Cold Start	<35 seconds(Average)
Precision	5 Meters

### **AUTOID6L –W** Wireless Data Communications

Option 1	WLAN WIFI
Protocol	IEEE 802.11b/g/n
Frequency range	Depends on different countries ( regions), 2.4GHz to 2.5GHz in normal
Number of Channels	CH1~CH14
Security	OPEN、WEP、WPA-PSK (TKIP) 、WPA2-PSK (TKIP+AES) OPEN、WEP、WPA2-PSK (TKIP+AES) 、TLS、TTLS (MS-CHAP),、TTLS(MS-CHAP v2)、TTLS (CHAP)、TTLSMD5、TTLS-PAP、PEAP-TLS、PEAP(MS-CHAP v2)、WPA-AES、Support CCX v4 etc.
Output power	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
Sensitivity	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



Transmission distance	>150 meters (Industrial grade AP, Open regions)
Data rate	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)
Antenna	Internal single antenna
Option 2	WWAN TD-SCDMA (nonsupport phone)
Frequency	DualBand TD-SCDMA : 2010~2025/1880~1920MHz DualBand EDGE/GPRS/GSM 900/1800MHz
Data Rate	EDGE: PS UL Max 118.4Kbps; DL Max 236.8kbps TD-HSPA: PS UL Max 2.2Mbps;DL Max 2.8Mbps TD-SCDMA: PS UL Max 384kbps; DL Max 384kbps
Option 3	WPAN Bluetooth
Standard	Bluetooth 2.1 (EDR)
Power	Class 2
Transmission Distance	>20 meters (Industrial grade Bluetooth adapter)

### **AUTOID6L -W** *The third party application development support*

System software development	SEUIC's SDK
System programming environment	Visual Studio 2008 (Support .NET CF 3.5)

### **AUTOID6L -W** Peripherals and Accessories

Standard Accessories	Universal Adapter×1、USB Cable×1、Touch Pen×1、Hand Belt×1、battery×1
Optional Accessories	Single Slot Battery Charger、Four Slot Battery Charger、Auto Adapter etc.