



AUTOID6L(P) SERIES HANDHELD TERMINAL

Datasheet



Jiangsu SEUIC Technology Co., Ltd

1.AUTOID 6L(P) Characteristics of Performance/ Physical & User Environments

CPU	Cortex™-A7 Quad core 1.2GHz
Operating system	Android4.3
RAM	1GB



ROM	4GB
User's storage	Micro SD Card Compatible 32GB SDHC compatible
Keypad	28Keys
	LED (Backlight)
Display	3.5 in. industrial display, 640*480, capacitive touch
Power	Removable, rechargeable 3.7V Lithium-ion 3600 mAh battery
Charging	Exclusive charger 5V, 1.5A
	PC USB charging, 0.5A
	Intelligent to identify and switch from exclusive charger's 1.5A to PC USB 0.5A
Data transmission slot	Industrial MicroUSB, supports USB2.0 HighSpeed
Sensor(Optional)	Gravity sensor, electronic compass, gyroscope
Notifications	Audio; Vibration; LED
Audio	Internal Speaker/ Microphone
Dimensions	169(H)×72(W)×36(T)mm , (W:72mm does not include the side button)
Weight(With battery)	313g (differs depending on detailed configurations)
Operating Temp	-20°C to +50°C
Storage Temp	-40°C to +60°C(With battery)
	-40°C to +70°C(Without battery)
Humidity	5% to 95% RH non-condensing
Sealing rate	IP65
Drop Specification	Multiple drops to concrete: 5 ft./1.5 m across the operating temperature range
Tumble Specification	1000 1.64 ft/0.5m tumbles at room temperature
Dimensions	+/-15KV air discharge , +/-8KV direct discharge

2. **AUTOID 6L(P)** Specifications of data capturing functions

FUNCTION 1	1D Senior Laser Scanning Engine
Optical Resolution	0.004 in. The Minimum Stripe Width
Roll	±35°from vertical
Pitch Angle	±65°from normal
Skew Tolerance	±50°from normal
Ambient Light Immunity	Sunlight:10,000ft. Candles(107,640Lux)
	Artificial light:450ft. Candles(4,844Lux)
Scan Depth	15.2cm(4mil), 64.1cm(55mil)
Scan Frequency	The minimum 92 per second, Typical 104 per second, The maximum 116 per second (Bidirection)
Scan Width	47° , 35°
Laser Power	0.7mw±0.1mw
Barcode Supported	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.
FUNCTION 2	1D Laser Scanning Engine
Optical Resolution	0.005 in. The Minimum Stripe Width
Roll	±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 Frequency	100±10 per second
Scan Width	47°
Laser Power	1.7 Milliwatt ± 0.2 Milliwatt (Standard)
Barcode Supported	UPC-A, UPC-E, EAN-8, EAN-13, Code128, Code 39, Code 93, Code 11, Codabar, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, MSI, RSSI etc.
FUNCTION 3	2D Laser Scanning Engine: SymbolSE4500
Image Resolution	752(H)×480(V) Pixel Wide VGA
Roll	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 (Internal code:5S-1)	Offers the best range and performance on medium and low density 1D and 2D bar codes.
Optional Model: DL (Internal code:5S-2)	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 (Internal code:5S-3)	Omnidirectional scanning of medium to high density 1D/2D codes and the large PDF codes found on driver's licenses and other identification cards for gate access and border crossings
FUNCTION 4	Camera
Max. resolution	2592*1944(Photo)480P 15/30fps(Video)
Focal Distance	Auto-focusing
Flashlight	User controllable flash
Pixel	5.0 megapixel
FUNCTION 5	HF
Standards Supported	Supports ISO15693/ ISO14443A/B, supports NFC protocol;
Frequency Range	HF frequency 13.56MHz
Read Range	Reading distance 0~5cm (ISO15693),0-4cm(ISO14443A/B)
FUNCTION 6	GPS
Hot Start:	<2 seconds (Average)
Warm Start (autonomous)	<10 seconds (Average)
Cold Start	<40 seconds (Average)
Accuracy	5-10m



3. **AUTOID 6L(P)** Specifications of WIRELESS DATA COMMUNICATIONS

FUNCTION 1	WLAN WIFI
Protocol	IEEE 802.11a/b/g/n (2.4G/5G Dual frequency WIFI)
Frequency Range	5.170GHz-5.825GHz, depending on different countries. 2.4GHz: 2.412GHz-2.472 GHz in normal; 5GHz: 5.170GHz-5.825GHz.
Working channels	CH1~CH13, CH34-CH140, CH149~CH165
WLAN 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 etc
Transmission Distance	2.4G>150 meters (Industrial AP, open area) , 5G >100 meters (Industrial AP, open area)
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)
Antenna	Internal antenna
FUNCTION 2	WWAN WCDMA(Phone call supported)
Frequency Range	GSM: Qual band(850/900/1800/1900Mhz) WCDMA: Band1/2100 MHz
Transmission rate	GPRS: DL / UL171.2kbps; EDGE: DL / UL384 kbps HSPA+: DL 21 Mbps / UL 5.76 Mbps
FUNCTION 3	WPAN Bluetooth
Standards	Bluetooth 4.0 (Dual mode, supports BLE)
Power	Class 2
Distance	>20m(Industrial Bluetooth adaptor)

4. **AUTOID 6L(P)** Supports to third part aAPPLICATION DEVELOPMENTS

System software	Android 4.3
Programming Environment	Android IDE(Eclipse)

5. **AUTOID 6L(P)** Peripherals and Accessories

Standard Accessories	Universal Adapterx1/ USB Cablex1/ Hand Beltx1/ Batteryx1
Optional Accessories	Single Slot Serial Cradle/ Four-slot battery charger