



AUTOID7^{1/2} SERIES HANDHELD TERMINAL



Jiangsu SEUIC Technology Co., Ltd



AUTOID7^{1/2} Performance Characteristics

CPU	Marvell Intel XScale™ PXA3XX 624 Mhz
Operating System	Microsoft Windows CE or Microsoft Windows Mobile
RAM	256MB
ROM	256MB
User's Memory Expansion	standard 4GB; Micro SD Card,32GB SDHC compatible
Interface/Communication	RS232、USB2.0 Full Speed
Keyboard	29 keys (Standard)P+R material
	LED (buttons with backlit)
Display	2.8" industrial color LCD , 65536 colors
	240(W)×320(L)(QVGA)
Power source	Detachable 3.7V 2700Ah rechargeable Li-ion battery
	Quick charge :2700mAh/4 hours charge time
	Charging port: special industrial-grade
	Built-in backup battery: non-removable 3.7V/55mAh rechargeable Li-ion battery
Battery performance	Continuous working: 6 hours (bright screen, 600 times per hour scanning and WLAN transmission) ; System maintains: 60minutes (non standard battery) ; RTC continuous working: 48hours (non standard battery) ; Sleep and standby: no less than 200 hours (off-line) ; no less than 100 hours (GPRS online) ; no less than 50 hours (EVDO online)
Notification	Voice prompt Vibration Charging indicator Barcode scanning light Battery cover detect indicator
Audio	Built-in loudspeaker; outside wired headset
Dimensions	Upper: 180mm(length)×66.6mm(width)×47.8mm(height)
	Bottom: 180mm(length)×56mm(width)×31mm(height)
Weight(with standard battery)	330g±5g (with battery, slight differ according to detailed configuration)
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 level rate	IP65
Drop Specification	Multiple drops to concrete: 5ft./1.5m across the operating temperature range
Tumble Specification	1000times 0.5m tumbles at room temperature (equivalent to 2000 times impact)
ESD	±15kV air discharge, ±8kV direct discharge



AUTOID7^{1/2} Data Capture Options

Option 1	1D Laser scan engine	Internal code S4
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	1.7mv±0.2mv	
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.	

AUTOID7^{1/2} Wireless Data Communications

Option 1	WLAN WIFI	Internal code W1
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 antennas
Option 2	WWAN GPRS Internal code: G1
Frequency	850/900/1800/1900MHz
Transmitted Power	Class 4 (2W): GSM850 and GSM900
	Class 1 (1W): DCS1800 and PCS1900
Data feature	GPRS the maximum down-load: 85.6kbps (Class 12, up-load and down-load are symmetrical)
	GPRS the maximum up-load: 85.6kbps (Class 12, up-load and down-load are symmetrical)
	Coded format: CS-1;CS-2;CS-3;CS-4
Option 3	WWAN EVDO Internal code: E2
Frequency	800MHz
Transmitted Power	CDMA 800Mhz: +23dBm (Power Class 3)
Data feature	IS-856-0 protocol standard: Forward single user peak rate: 2.4576Mbit/s Inversion single user peak rate: 153.6kbit/s
	IS-856-A protocol standard: Forward single user peak rate: 3.1Mbit/s Inversion single user peak rate: 1.8Mbit/s
Option 4	WPAN Infrared Internal code: I1
Wave length	940nm
Baud rate	1200bit/s
	2400bit/s
Transmission distance	0-300cm
Option 5	WPAN Bluetooth Internal code BT
Standard	Bluetooth 2.1 (EDR)
Power	Class 2
Transmission Distance	>20 meters (Industrial grade Bluetooth adapter)

AUTOID7^{1/2} *The third party application development support*

System software development	SEUIC's SDK
System programming environment	eMbedded Visual C++ 4.0
	Visual Studio 2008 (Support.NET CF 3.5)

AUTOID7^{1/2} *Peripherals and Accessories*

Standard Accessories	Universal Adapter×1, USB Cable×1, Touch Pen×2, Hand Tether×2, Hand Belt×1, Battery×1
Optional Accessories	Single Battery Charger, Cradle, Car adapter, Multifunctional fabric case, Four Slot Battery Charger, Bluetooth Printer and Card Reader etc.