



AUTOID6B SERIES HANDHELD TERMINAL

Datasheet



Jiangsu SEUIC Technology Co., Ltd

1. AUTOID6B Characteristics of Performance/ Physical & User Environments

CPU	Marvell Intel XScale™ PXA3XX 806 Mhz
Operating system	Microsoft Windows CE 6.0



RAM	256MB
ROM	256MB
User's storage	Integrated Non-removable large storage(4GB)
User's storage expansion	Micro SD Card compatible with 32GB SDHC compatible
Slot/Interface	RS232、USB2.0 FullSpeed
Keypad	28 Keys(Standard), P+R material
	LED (Backlight)
Display	3.5 in. Colorful LCD display, 65536 color
	240(W)×320(L)(QVGA)
Power	Removable, rechargeable 3.7V Lithium-ion 2700 mAh battery
	Supports quick charging: 2700mAh/4Hs Charging time
	Charging slot: Special industrial charging slot
	Backup power: Non- Removable rechargeable 3.7V/60mA Lithium-ion battery
Notifications	Audio
	Vibration
	Charging indicator
	Barcode scanning indicator
	Battery cover detecting indicator
Audio	Internal Speaker/ Microphone (Optional)/ Eeaphone (Optional)/ Expandable cable earphone
Dimensions	158mm(L)×84mm(W)×39mm(H)
Weight(With battery)	380g (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	IP64
Drop Specification	Multiple drops to concrete: 4 ft./1.2 m across the operating temperature range
Tumble Specification	1000 1.64 ft/0.5m tumbles at room temperature
ESD	+/-15kVDC air discharge , +/-8kVdc direct discharge

2. **AUTOID6B** Specifications of data capturing functions

FUNCTION 1	Temp. Measurement Internal code T1
Temp. Range	-40°C-350°C
Distance Spot Ratio	8:1
Accuracy	±2%(below70°C), ±5%(100°C~350°C)
Repeatability	± 1.0%
Response Time	≤0.5s(95% Response)
Emissivity	0.95, adjustable
Wavelength	8~14 μ m
FUNCTION 1	Temp. Measurement Internal code T2
Temp. Range	-40°C-420°C
Distance Spot Ratio	25:1



Accuracy	1.0°C or 1% taking the larger number
Repeatability	±1.0%
Response Time	≤0.5s(95% Response)
Emissivity	0.95, adjustable
Wavelength	8~14 μ m
FUNCTION 1	Vibration Measurement Internal code V1
Acceleration Range	0.1~199.9m/s ² (peak) , Frequency 10hz -1KHz(±0.5dB)
Velocity	0.1~199.9mm/s (RMS) , Frequency 10hz-1KHz(±0.5dB)
Displacement Range	0.001~1.999mm (p-p) , Frequency 10hz-1KHz(±0.5dB)
Accuracy	5%
FUNCTION 3	Capturing photos and videos Internal code C2
Resolution of photos	2592*1944,1600*1200,1024*768,640*480
Focal Distance	Auto-focusing
Flashlight	User controllable flash light
Pixel	5 M pixel
BSI	Supported
FUNCTION 4	RFID Reading/Writing(HF) Internal code H3
Standards Supported	ISO15693/ ISO14443A/B/ ISO18000-3/ ISO14443A(Encryption)/ Supports Mifare one S50, S70
Frequency Range	HF RFID, RF frequency 13.56MHz
Read Range	Read Range≤10cm (Depends on the antenna and tags)

3. **AUTOID6B** Specifications of WIRELESS DATA COMMUNICATIONS

FUNCTION 1	WLAN WIFI Internal code W3
Protocol	IEEE 802.11b/g/n
Frequency Range	Depending on different countries: 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 AP, open area)
Data Rates	802.11b : 1, 2, 5.5, 11Mbps



	<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>	
Antenna	Internal single antenna	
FUNCTION 2	WWAN GPRS Internal code G1	
Frequency	850/900/1800/1900MHz	
Transmitted Power	Class 4 (2W): GSM850 和 GSM900	
	Class 1 (1W): DCS1800和PCS1900	
Character	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)	
	Coding format: CS-1;CS-2;CS-3;CS-4	
FUNCTION 3	WWAN WCDMA Internal code G4	
Frequency	GSM/GPRS/EDGE: Dual band GSM 900/1800MHz UMTS/HSPA+: Dual band UMTS 900/2100MHz	
Transmitted Power	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 BdI Class 3 (+24dBm +1/-3dB) : UMTS 900, WCDMA FDD BdVIII	
Character	Features of HSPA: 3GPP Release6,7 : Max.downloading rates: 7.2Mbps, Max. uploading: 5.7Mbps	
	Features of UMTS: 3GPP Release 4: PS range (Data) – 384 kbps DL / 384 kbps UL CS range (Audio) – 64 kbps DL / 64 kbps UL	
	Features of GSM/GPRS/EGPRS: GPRS: 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)	
	EGPRS: The Max. rate of each time-slot: 59.2 kbps; (MCS-9)	
	EGPRS 8 time-slot max. rate: 474 kbps ; (MCS-9)	
	FUNCTION 4	WPAN Bluetooth
	Standard	Bluetooth 2.0(EDR)
	Power	Class 2
	Distance	>20m(Industrial Bluetooth Adaptor)



4. AUTOID6B SUPPORTS TO THIRD PART APPLICATION DEVELOPMENTS

Systems Software Development	SEUIC's SDK
Programming Environment	eMbedded Visual C++ 4.0
	Visual Studio 2008 (Supports .NET CF 3.5)

5. AUTOID6B PERIPHERALS AND ACCESSORIES

Standard Accessories	Universal Adapter×1、USB Cable×1、Touch Pen×2、Hand Tether×2、Hand Belt×2、Battery×1
Optional Accessories	Single Slot Serial Cradle, Battery Charger, Auto Adapter , Fabric Case ,Four Slot Battery Charger、Bluetooth Printer and Card Reader.

6. AUTOID6B REGULATORY

Telecom Equipment Access to Network Licence; UN38.3 battery Certified; CCC Certified of PRC; Obtained control of pollution caused by electronic information products of PRC