



AUTOID6P SERIES HANDHELD TERMINAL

Datasheet



Jiangsu SEUIC Technology Co., Ltd



AUTOID6P Performance Characteristics

CPU	Marvell Intel XScale™ PXA3XX 806 Mhz
Operating System	Microsoft Windows CE or Microsoft Windows Mobile
RAM	256MB
ROM	256MB
User's Memory Space	non-removable built-in bulk storage memory (4GB)
Expansion Slot	Micro SD Card,32GB SDHC compatible
Interface/Communication	RS232、USB2.0 Full Speed
Keyboard	28 keys (Standard)P+R material
	LED (buttons with backlit)
Display	3.5" industrial color LCD , 65536 colors
	240(W)×320(L)(QVGA)/480(W)×640(L)(VGA)
Power source	Detachable 3.7V 2700Ah rechargeable Li-ion battery
	Quick charge support:2700mAh/4 hours charge time
	Charging port: special industrial-grade
	Built-in backup battery : non-removable 3.7V/60mAh rechargeable Li-ion battery
Battery performance	Continuous working: 6 hours (bright screen, 600 times per hour scanning and WLAN transmission) ; System maintains: 5 hours (non standard battery) ; RTC continuous working: 5 hours (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、microphone (optional) ,earphone (optional) ; outside wired headset
Size	158mm(length)×84mm(wide)×39mm(height)
Weight(with standard battery)	380g (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	IP64
Drop Specification	Multiple drops to concrete: 4 ft./1.2 m across the operating temperature range
Tumble Specification	1000 times 0.5m tumbles at room temperature (equivalent to 2000 times impact)
ESD	±15kV air discharge, ±8kV direct discharge



AUTOID6P Data Capture Options

Option 1	2D Imagers Scan Engine Honeywell5100	Internal code S2
Field of View	Horizontal:39.6°, Vertical:25.7°	
Image Resolution	752(H)×480(V) Pixel	
Rotate	360°	
Pitch Angle	±60°from normal	
Skew Tolerance	±60°from normal	
Engine front focal length	Standard:8 inch,Best:5.3 inch, High density barcode: 2.9 inch	
Aiming Element (VLD)	655nm±10nm	
Illumination Element (LED)	635nm±5nm	
Ambient Light (Sunlight)	9000 ft. Candles(96,900Lux)	
Code Support	1D CODE: Aztec Mesas、Codabar、Codablock F、Code 11、Code 128、ISBT 128、GS1-128、Code 16K、Code 32 pharmaceutical(PARAF)、Code 39(supports Full ASCII mode)、Code 49、Code 93 and 93i、Composite Symbology、EAN13(including BooklandEAN)、EAN-8、Interleaved 2 of 5(cross 25 code)、Matrix 2 of 5、MSI、Plessey Code、PosiCode、Reduced Space Symbology(RSS-14,Rss Limited,RSS Expanded)(GS1DataBar)、Straight 2 of 5、IATA、Straight 2 of 5、Industrial、Telepen、Trioptic Code、UPC-A、UPC-A with Extended Coupon Code(UCC Coupon Code)、UPC-E、UPC-E1、Inverse 1D	
	2D CODE: Aztec Code、DataMatrix、MaxiCode、MicroPDF417、OCR-A、OCR-B、PDF417、QRCode、MiroQRTCIF Linked Code 39(TLC 39)、Inverse 2D	
	Zip code: 4-CB (4-State Customer Barcode) (Posta US4) (USPS 4-State)、AustralianPost、British Post (UK Postal) (BPO 4-State)、Canadian Post、China Post、ID-tag (UPU4-State)、Japanese Post、KIX (Netherlands) Post (Dutch Postal)、Korea Post、PlanetCode (U.S.Planet)、Postn (U.S.Postnet)	
Optional Model SR (Internal code 2S-1)	Be suitable for low density or medium density range standard 1D/2D scanning	
Optional Model SF (Internal code 2S-2)	Be suitable for medium density or high density range standard 1D/2D scanning	
Optional Model HD (Internal code 2S-3)	Be suitable for high density range standard 1D/2D scanning	
Option 2	GPS	Internal code:G2
Hot Start	<2 seconds (Average)	



Warm Start (autonomous)	<35 seconds (Average)
Warm Start (with CGEE)	<10 seconds (Average)
Cold Start	<40 seconds (Average)
Precision	5 Meters
Option 3	Image and Video capture Internal code C2
Resolution Ratio	2592*1944,1600*1200,1024*768,640*480
Focal Distance	Auto-focusing
Flashlight	User controllable flash
Pixel	5.0 megapixel
Back illuminated (BSI)	Support
Option 4	Fingerprint Internal code: F2
Type of fingerprint	Optical fingerprint
Fingerprint input time	< 100ms
1:1 computational time	< 4000ms
1:256 search time	< 2s
fingerprint storage quantity	1024/1776 pieces
false accept rate	< 0.001 %
False reject rate	< 1.5 %

AUTOID6P 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	802.11g @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 WCDMA Internal code: G4
Frequency	GSM/GPRS/EDGE: Dual band GSM 900/1800MHz



	UMTS/HSPA+: Dual band UMTS 900/2100MHz
Transmitted Power	<p>Class 4 (+33dBm ±2dB) : EGSM900</p> <p>Class 1 (+30dBm ±2dB) : GSM1800</p> <p>Class E2 (+27dBm ± 3dB): GSM 900 8-PSK</p> <p>Class E2 (+26dBm +3 /-4dB) : GSM 1800 8-PSK</p> <p>Class 3 (+24dBm +1/-3dB) : UMTS 2100, WCDMA FDD BdI</p> <p>Class 3 (+24dBm +1/-3dB) : UMTS 900, WCDMA FDD BdVIII</p>
Data features	<p>HSPA features:</p> <p>3GPP Release6,7 : The maximum down-load: 7.2Mbps, The maximum up-load : 5.7Mbps</p> <p>UMTS features:</p> <p>3GPP Release 4:</p> <p>PS domain (data) – 384 kbps DL / 384 kbps UL</p> <p>CS domain (voice) – 64 kbps DL / 64 kbps UL</p> <p>GSM/GPRS/EGPRS features:</p> <p>GPRS:</p> <p>GPRS The maximum down-load : 85.6kbps (Class 12, up-load and down-load are symmetrical)</p> <p>GPRS The maximum up-load: 85.6kbps (Class 12, up-load and down-load are symmetrical)</p> <p>Coded format: CS-1;CS-2;CS-3;CS-4</p> <p>EGPRS:</p> <p>The Max. rate of each time-slot is 59.2 kbps; (MCS-9)</p> <p>EGPRS 8 time-slot the max. rate is 474 kbps (MCS-9)</p>
Option 3	WPAN Bluetooth Internal code:BT
Standard	Bluetooth 2.0(EDR)
Power	Class 2
Transmission Distance	>20 meters (Industrial grade Bluetooth adapter)

AUTOID6P *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)

AUTOID6P *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 Slot Serial Cradle, Cradle, Four Slot Battery Charger, Bluetooth Printer and CardReader, Car adapter, Multifunctional fabric case etc.