



AUTOID6 SERIES HANDHELD TERMINAL

Datasheet



Jiangsu SEUIC Technology Co., Ltd



AUTOID6 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 FullSpeed
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 2700mAh rechargeable Li-ion battery
	Quick charge : 2700mAh/4 hours charge time
	Charging port: special industrial-grade
	Built-in backup battery: non-removable 3.7V/60mAh rechargeable Li-ion battery
Notification	Voice prompt
	Vibration
	Charging indicator
	Barcode scanning light
	Battery cover detect indicator
Audio	Built-in loudspeaker,microphone (optional) ,earphone (optional) ; wired headset
Dimension	158mm(length)×84mm(width)×39mm(height)
Weight(with standard battery)	380g-500g (Battery included , slight difference 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

AUTOID6 DATA CAPTURE OPTIONS

Option 1	1D High Performance Laser	SE955	Internal Code S1
Resolution	0.004 inch minimum element width		
ROTATE	±35°from vertical		
Pitch Angle	±65°from normal		



Skew Tolerance	±50°from normal
Ambient Light Luminance	Sunlight:10,000ft. Candles(107,640Lux)
	Artificiallight:450ft.candles(4,844Lux)
Scan Depth	15.2cm(4mil),64.1cm(55mil)
Scan Frequency	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
Option 2	1D Laser Scan Engine Internal Code S4
Resolution	0.005 inch minimum element width
Remote	±35°from vertical
Pitch Angle	±65°from normal
Skew Tolerance	±50°from normal
Ambient Light	Sunlight::10,000ft
Scan Depth	13.5cm(5mil),91 cm(55mil)
Scan Frequency	100±10times/Sec
Scan width	47°
Laser Power	1.7mw±0.2mw
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...
Option 3	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),Code49,Code93 and 93i,Composite Symbology,EAN13(including BooklandEAN) ,EAN-8 ,Interleaved 2 of 5(cross 25 code) ,Matrix 2 of 5 ,MSI ,Plessy 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
	POST 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)	suitable for low density or medium density range 1D/2D scanning
Optional Model SF (Internal code 2S-2)	suitable for medium density or high density range 1D/2D scanning
Optional Model HD (Internal code 2S-3)	suitable for ultrahigh density range 1D/2D scanning
Option 4	2D Imagers Scan Engine SymbolSE4500 Internal code S5
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 (Internal code:5S-1)	Optimized specially for low and medium density range 1D / 2D Bar code scanning
Optional Model: DL (Internal code :5S-2)	Optimized specially for medium and high density 1D / 2D bar codes as well as the PDF bar codes on driver's license and other identification documents, ideal for Access control and Identity management , wristband of patients and unit dose in Healthcare as well as the electronics industry
Optional Model HD (Internal code :5S-3)	Optimized specially for ultra high density 1D /2D bar code scanning , and direct part mark in the manufacturing industry
Option 5	DPM 2D Scanning Engine Internal code S6
Field of View	Horizontal:34.4° ,Vertical:22.2°
Sensor resolution	752(H)×480(V)Pixel Wide VGA
Rotate	360°
Pitch Angle	±86°from normal
Skew Tolerance	±61°from normal
Ambient Light	0-100000 lux
Illumination Element	635nm±5nm Variable brightness is white light



(LED)	
Readable DPM type	stippling,laser printing etc.
Option 6	RFID read/write(UHF) Internal code U7s
Standards Supported	ISO-18000-6C,EPCC1G2
Frequency Range	840-960MHz(Depends on different countries/regions),920-925MHz is default
Operating Mode	Broad-spectrum frequency hopping (FHSS) or Fixed frequency transmission
Output Power	10~30dBm(depending on countries or regions)
Read Range	0-500cm (directed antenna)
Write Range	0-200cm
Read Speed	Average reading access time (32bits) 12ms
Write Speed	Average writing access time (32bits) 60ms
Power Consumption	<2.5W (Average)
Option 7	RFID read/write(UHF) Internal code U8(omni-directional antenna)/U8S(directed antenna)
Standards Supported	ISO-18000-6C,EPCC1G2
Frequency Range	840-960MHz(Depends on different countries/regions),920-925MHz is default
Operating Mode	Broad-spectrum frequency hopping (FHSS) or Fixed frequency transmission
Output Power	5~30dBm(depending on countries or regions)
Read Range	0-800cm (omni-directional antenna) 0-1000cm (directed antenna)
Write Range	0-400cm
Multi tags read	>60 pieces at the same time (omni-directional antenna)
Read Speed	Average reading access time (32bits) 12ms
Write Speed	Average writing access time (32bits) 60ms
Power Consumption	<4W(Average)
Option 8	RFID read/write(UHF) Internal code U10
Standards Supported	ISO-18000-6C,ISO-18000-6B,C1G2
Frequency Range	840-960MHz(Depends on different countries/regions),920-925MHz is default
Operating Mode	Broad-spectrum frequency hopping (FHSS) or Fixed frequency transmission
Output Power	21~30dBm(depending on countries or regions)
Read Range	ISO-18000-6C: 0-300cm ISO-18000-6B: 0-100cm
Write Range	ISO-18000-6C: 0-150cm ISO-18000-6B: 0-70cm
Read Speed	Average reading access time (32bits) 12ms
Write Speed	Average writing access time (32bits) 60ms
Power Consumption	<3.6W(Average)
Option 9	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 10	Image and Video capture Internal code C2



Video Format (for Mobile)	WMV
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

AUTOID6 WIRELESS DATA COMMUNICATIONS

Option 1	WLAN WIFI	Internal code W1/W3
Protocol	IEEE 802.11b/g/n	
Frequency Range	Depending on countries (regions), 2.4GHz to 2.5GHz in normal conditions	
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 environment)	
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	WLAN WIFI	Internal code W2
Protocol	IEEE 802.11b/g	
Frequency Range	Depending on countries (regions), 2.4GHz to 2.5GHz in normal conditions	
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: typical 19dBm ± 1.5dBm	



	802.11g: typical 15dBm ± 1.5dBm
Sensitivity	Typical: 1 Mbps: -96 dBm 6 Mbps: -94 dBm 54 Mbps: -75 dBm
Transmission Distance	>170meters (Industrial grade AP, Open regions)
Data Rate	802.11b: 1, 2, 5.5, 11 Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
Antenna	Internal double antennas
Option 3	WWAN GPRS Internal code G1
Frequency	850/900/1800/1900MHz
Transmitted Power	Class 4 (2W): GSM850 and GSM900 Class 1 (1W): DCS1800 and PCS1900
Character	GPRS The maximum down-load: 85.6kbps (Class 12, up-load and down-load are asymmetrical) GPRS The maximum up-load: 85.6kbps (Class 12, up-load and down-load are symmetrical) Code format: CS-1;CS-2;CS-3;CS-4
Option 4	WWAN EVDO Internal code E2
Frequency	800MHz
Transmitted Power	CDMA 800Mhz: +23dBm (Power Class 3)
Character	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 5	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	HSPA Feature: 3GPP Release6,7 : The maximum down-load: 7.2Mbps, The maximum up-load: 5.7Mbps UMTS Feature: 3GPP Release 4: PS domain (data) – 384 kbps DL / 384 kbps UL CS domain (voice) – 64 kbps DL / 64 kbps UL



	GSM/GPRS/EGPRS Feature: 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) Coded format: CS-1;CS-2;CS-3;CS-4 EGPRS: The Max. rate of each time-slot is 59.2 kbps; (MCS-9) EGPRS 8 time-slot the max. rate is 474 kbps (MCS-9)	
Option 6	WPAN Bluetooth	Internal code BT
Standard	Bluetooth 2.0 (EDR)	
Power	Class 2	
Transmission Distance	>20 meters (Industrial grade Bluetooth adapter)	

AUTOID6 THE THIRD PARTY APPLICATION DEVELOPMENT SUPPORT

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

AUTOID6 PERIPHERALS AND ACCESSORIES

Standard Accessories	Universal Adapter×1,,USB Cable×1,Touch Pen×1,,Hand Tether×2,,Hand Belt×2,Battery×2,Multi-function packsack×1,Battery Charger×1
Optional Accessories	Single Battery Charger , Cradle,Four Slot Battery Charger,,Bluetooth Printer and Card Reader,Auto Adapter etc

AUTOID6 REGULATORY

Network Access License for Telecommunication equipment;UN38.3 Battery certification;Quality Testing Report;CCC ; CE ;FCC; Electronic information products pollution control indicator ;National army standard testing report
--