



# AUTOID8R SERIES HANDHELD TERMINAL

## DATASHEET



Computer Peripheral and Supplies Ltd.



## AUTOID8R Performance Characteristics

CPU	Marvell Intel XScale™ PXA3XX 806 Mhz
Operating System	Microsoft Windows CE 6.0 or Microsoft Windows Mobile 6.5
RAM	256MB
ROM	512MB
User's storage expansion	Micro SD Card: standard: 4G; up to 32GB SDHC compatible
Interface/Communication	USB 2.0 Fullspeed
Keyboard	27 keys ( Standard )P+R material
	LED(buttons with backlit)
Display	3.2" industrial color LCD , 65536 colors
	240(W)×320(L)(QVGA)
Power source	Detachable 3.7V 3000Ah rechargeable Li-ion battery
	Quick charge:3000mAh/4 hours charge time
	Built-in backup battery:non-removable 3.7V/60mAh rechargeable Li-ion battery
	Charging port:Standard Micro USB charging port, intelligently identify PC and special charger
Battery performance	Smart power-saving(intelligent sleep and brightness control of dynamic screen)
	Continuous working:8hours(bright screen, 600 times scanning per hour and WLAN transmission);
	System maintains:15 min.(non main battery);
	RTC continuous working:6 months(non main battery);
Notification	Sleep and standby:100 hours(GPRS online), more than 200 hours(GPRS offline);
	Voice prompt
	Vibration
	Charging indicator
	Wireless indicator
	Barcode scanning light
Indicator of successful installing battery	
Audio	Built-in loudspeaker, microphone ,earphone;outside wired headset
Dimension	152mm(length)×70mm(wide)×27mm(height)
Weight(with standard battery)	275g(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



## AUTOID8R Data Capture Options

Option 1	1D High Performance Laser Scan Engine 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 Immunity	Sunlight :10,000ft. Candles(107,640Lux)
	Artificiallight:450ft.candles(4,844Lux)
Scan Depth	15.2cm(4mil), 64.1cm(55mil)
Scan Rate	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.
Optional SE965 (internal code 1S-1)	Be suitable for long-distance 1D barcode scanning
Option 2	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, 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
	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 (JPU4-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

## AUTOID8R Wireless Data Communications

Option 1	WLAN WIFI Internal code W4
Protocol	IEEE 802.11b/g/n
Frequency range	Depends on different countries ( regions), 2.4GHz to 2.5GHz in normal
Number of Channels	CH1~CH13
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 CCXv4 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 antenna
Option 3	WWAN 3G 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



	<p>Class E2 (+26dBm +3 /-4dB) : GSM 1800 8-PSK          Class 3 (+24dBm +1/-3dB) : UMTS 2100, WCDMA FDD Bdl          Class 3 (+24dBm +1/-3dB) : UMTS 900, WCDMA FDD BdVIII</p>
Data features	<p>HSPA features:          3GPP Release6,7 : The maximum down-load: 7.2Mbps,          The maximum up-load: 5.7Mbps</p> <p><b>UMTS</b> features:          3GPP Release 4:          PS domain(data) – 384 kbps DL / 384 kbps UL          CS domain(voice) – 64 kbps DL / 64 kbps UL</p> <p>GSM/GPRS/EGPRS features:  <b>GPRS:</b>          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</p> <p><b>EGPRS:</b>          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)</p>
Option 4	<b>WPAN Bluetooth</b> Internal code:BT
Standard	Bluetooth 2.1 (EDR)
Power	Class 2
Transmission Distance	>20 meters(Industrial grade Bluetooth adapter)

### **AUTOID8R** 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)

### **AUTOID8R** Peripherals and Accessories

Standard Accessories	Universal Adapter×1, USB Cable×1, Touch Pen×2, Hand Tether×1, Battery×1
Optional Accessories	Handheld Belt, Battery charger, Multifunctional bag, Four-slot Battery Charger, Bluetooth Printer and Card Reader, Auto Adapter, Cradle

