



AUTOID9 Series Handheld Terminals

Datasheet



Jiangsu SEUIC Technology Co., Ltd



AUTOID9 PERFORMANCE, PHYSICAL CHARACTERISTICS

CPU	Cortex™-A7 Quad-Core 1.2GHz
Operating System	Android4.3
RAM	1GB
ROM	4GB
User Memory Expansion	Micro SD Card , 32GB SDHC compatible
Interface / Communication	Industrial Micro USB interface, support USB2.0 High Speed ;Plug supports serial port communication (optional)
Keyboard	17/22 buttons (backlight)
Display	4 inch industrial grade and cold resistance IPS screen ,capacitive touch ,dual mode touch-with or without a thick glove / with or without wet hand
	800(W)×480(L) (WVGA)
Power	Detachable 3.8V 4000mAh rechargeable lithium ion battery
	Side interface : standard Micro USB charging interface , intelligently identify PC and special charger Bottom magnetic interface : support charging , USB2.0 and serial port communication (with magnetic plug or cradle)
Battery	Continuous working : more than 12 hours (screen is always light , scanning and WLAN transmission per 6 seconds) RTC continuous working: more than 168 hours (without main battery) Standby : more than 550 hours (GPRS online) more than 600 hours (GPRS offline)
Notification	Sound、vibrator、LED indicator light
Audio	Built-in loudspeaker, built-in microphone ,3.5mm stereo headset interface
Sensor (optional)	Acceleration sensor , Optical fiber sensor ,Electronic compass ,Gyroscope
Dimensions	156(H)×70(W)×21(T)mm (27mm at barcode engine)
Weight(battery included)	270g (battery included , slightly differs depending on various configurations)
Operating temperature	-20℃ to +50℃
Storage temperature	-40℃ to +60℃ (with battery)
	-40℃ to +70℃ (without battery)
Humidity	5% to 95% RH non-condensing
Sealing rate	IP67
Drop Specification	1.5m drops
Tumble Specification	1000 hits 0.5 meters tumbles (equal to 2000 times impact)
ESD	±15kV air discharge, ±8kV direct discharge

AUTOID9 DATA CAPTURE OPTIONS

Option 1	1D high-level Laser scan engine (SE955)
Optical Resolution	0.004 inch minimum element width
Roll	±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 times/sec., typical 104 times, 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
Optical Resolution	0.005 inch minimum element width
Roll	±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±10 times/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 etc.
Option 3	2D Laser Scan Engine (SE4500)
Sensor resolution	752(H)×480(V) pixel Wide VGA
Roll	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	Special for low density or medium density range standard 1D/2D scanning
Optional Model DL	Optimized for medium to high density bar codes as well as the bar codes found on driver's licenses and other identification documents, ideal for border crossings as well as the healthcare and electronics industry
Optional Model HD	Special for ultrahigh density range standard 1D/2D
Option 4	Image capture
Max. Resolution Ratio	2592*1944 (photograph) ,480P 15/30fps(video)



Focal Distance	Auto-focusing
Flashlight	Support double flashlights
Pixel	5 megapixel
BSI	Support
Option 5	RFID Read/ Write (HF ,NFC)
Standards Supported	Support ISO15693、ISO14443A/B (no encryption protocol) 、ISO14443A tag with cryptographic protocol (Mifare one S50,S70 and compatible with the card) , support NFC protocol .
Operating frequency	HF frequency band 13.56MHz
Reading distance	0~5cm (ISO15693),0-4cm(ISO14443A/B) (Associated with tag)
Option 6	GPS
Hot start	<2 seconds (Average)
Warm start (with CGEE)	<10 sec.(Average)
Cold start	<40 seconds (Average)
Precision	5 -10meters

AUTOID9 WIRELESS DATA COMMUNICATIONS CHARACTERS

Option 1	WLAN WIFI
Protocol	IEEE 802.11a/b/g/n (2.4G/5G dual frequency WIFI)
Frequency range	Depends on country(region) ,2.4GHz generally is 2.412GHz-2.472GHz; 5GHz generally is 5.170GHz-5.825GHz
Working channel	CH1~CH13, CH34-CH140, CH149~CH165
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 etc.
Transmission Distance	>150 meters (2.4G) , >100 meters (5G , industrial AP , open environment)
Data rate	802.11a: 6,9,12,18,24,36,48,54Mbps 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	Built-in
Option 2	WWAN WCDMA
Frequency brand	GSM: Qual band(850/900/1800/1900Mhz) WCDMA: Band1/2100 MHz
Communication speed	GPRS: DL / UL171.2kbps; EDGE : DL / UL384 kbps HSPA+: DL 21 Mbps / UL 5.76 Mbps
Option 3	WWAN WCDMA+EVDO+TD-SCDMA
Frequency	GSM: Qual band(850/900/1800/1900Mhz) TD-SCDMA: Band34/2010-2025 MHz,Band39/1880-1920MHz WCDMA: Band1/2100 MHz CDMA 1x /EVDO : BC0/800 MHz

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Communication speed	GPRS: DL / UL171.2kbps; EDGE: DL / UL384 kbps TD: DL 2.8 Mbps / UL 2.2 Mbps HSPA+: DL 21 Mbps / UL 5.76 Mbps CDMA1x: DL / UL 307.2 kbps; EVDO: DL 3.1 Mbps / UL 1.8 Mbps
Option 4	WPAN Bluetooth
Standard	Bluetooth 4.0 (dual-mode, support BLE)
Power	Class 2
Distance	>20 meters (Industrial grade bluetooth adapter)

AUTOID9 APPLICATION DEVELOPMENT SUPPORT FROM THE THIRD PARTY

System software	Android 4.3
System programming environment	Android IDE(Eclipse)

AUTOID9 Peripherals and Accessories

Standard Accessories	Universal Adapterx1、USB Cablex1、Hand Tetherx1、Batteryx1、 Hand Strapx1
Optional Accessories	Single-Slot Cradle、4-slot battery charger ,Magnetic plug wire , Single-Battery charger