



AUTOID9HC Series Handheld Terminals

Datasheet



Jiangsu SEUIC Technology Co., Ltd



AUTOID9HC PERFORMANCE, PHYSICAL CHARACTERISTICS

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|---------------------------|---|
| 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 |
| Keyboard | 22 crystal 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 Performance | 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 (Option) | Gravity sensor , Light sensor , Gyroscope |
| Dimensions | 156(H)×70(W)×21(T)mm (27mm at barcode engine) |
| Weight(battery included) | 240g (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 | 1000hits 0.5 meters tumbles (equal to 2000 times impact) |
| ESD | ±15kV air discharge, ±8kV direct discharge |

AUTOID9HC DATA CAPTURE OPTIONS

| Option 1 | 1D high-level Laser scan engine (SE955) |
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| 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) |



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| 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 |



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| | card) , Support NFC protocol . |
| Operating frequency | HF frequency band 13.56MHz |
| Reading distance | 0~5cm (ISO15693),0-4cm(ISO14443A/B) (Associated with tag) |

AUTOID9HC WIRELESS DATA COMMUNICATIONS CHARACTERS

| Option 1 | WLAN WIFI |
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| 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 | WPAN Bluetooth |
| Standard | Bluetooth 4.0 (dual-mode, support BLE) |
| Power | Class 2 |
| Distance | >20 meters (Industrial grade bluetooth adapter) |

AUTOID9HC APPLICATION DEVELOPMENT SUPPORT FROM THE THIRD PARTY

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

AUTOID9HC Peripherals and Accessories

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| Standard Accessories | Universal Adapterx1、USB Cablesx1、Hand Tetherx1、Batteryx1、 Hand Strapx1 |
| Optional Accessories | Single-Slot Cradle、4-slot battery charger ,Magnetic plug wire , Single-Battery charger |