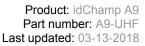




idChamp A9 Specifications

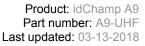
PART NUMBER: A9-UHF

ELECTRICAL	
Communication Protocols	Industrial Micro USB interface, support USB 2.0 Tail plug support debugging serial port, support OTG
Data Interface	Bluetooth, USB
Power Source	micro- USB / rechargeable battery
Battery Type	Non-removable 3.8 V 4000+5200mAh li-ion rechargeable battery
Battery Performance	Continue to work: more than 16 hours (normally display on and scan once every 6 seconds and WLAN transmission) Dormancy standby: more than 700 hours (GPRS) online, offline (GPRS) is more than 800 hours
Audio	Built-in double speakers, built-in microphone, 3.5 mm stereo headset interface
Sensors	Acceleration sensor, light sensor, electronic compass, and gyroscope
	PHYSICAL
Dimensions (with trigger handle)	16.0 cm x 7.7 cm x 16.9 cm
Dimensions (with slimline grip)	16.0 cm x 7.7 cm x 9.7 cm
Weight	380 g / 13.4 oz
Casing	Black Lexan EXL9330 PC Yellow Lexan 943A PC
User Input	Trigger button
User Feedback	Speaker, vibration motor, LED
ENVIRONMENT	
Operating Temperature	-20°C to +50°C)



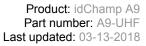
SERIAL

41°F to 104°F / 5°C to 40°C **Charging Temperature** -40°C to + 60°C (Battery included) **Storage Temperature** -40°C to + 70°C (Battery excluded) Humidity 5% to 95% non-condensing Multiple 4 ft./1.2m drops to concrete across the **Drop Specification** operating temperature range IP67 **Tumble** 1,000 1.64 ft./0.5 m tumbles (2,000 drops) **Electrostatic Discharge** ±15kV Air discharge, ±8kV direct discharge Meets and exceeds applicable MIL-STD 810F for MIL-STD 810F drop, tumble and sealing **ANDROID** CPU Cortex-A53 Quad-Core 1.2GHz Android 5.1 **Operating System** RAM 2GB **ROM** 16GB **Expansion Slot** Micro SD Card, 32GB SDHC compatible 17 key / 22 crystal keys (backlight) Keypad 4-inch size industrial grade low temperature resistant, IPS screen, capacitive, touchable, dual mode touch **Display** with or without a thick glove / with or without wet hand 800(H)×480(W) WVGA **RFID PERFORMANCE** ISO15693 ISO14443A/B (without encryption) **HF Standards Supported** ISO14443A (with encryption protocol) Support NFC protocol **HF Operating Frequency** HF frequency band 13.56 MHz 0-6 cm (ISO15693) **HF Read Distance** 0-3 cm (ISO14443A/B) 0-1 cm (ISO14443B) ISO-18000-6C EPC C1G2 **UHF Standards Supported**





840-960 MHz (Depends on different **UHF Operating Frequency** countries/regions) 920-925 MHz is default Broad-spectrum frequency hopping (FHSS) **UHF Operating Mode** or Fixed frequency transmission 0-500cm (Read) 0-300cm (Write) **UHF Read / Write Range** >100 pieces at the same time **UHF Multi-Tags Read BARCODE SCANNER Imager** Motorola SE4500 2D imager **Sensor Resolution** 752 x 480 pixels Field of View Horizontal: 40°, Vertical: 25° **Focal Distance** SR: 8 in. DL: 5.3 in. HD: 2.9 in. Aiming LED (VLD) 655 ±10 nm Laser **Illumination Element** 625 ±5 nm LEDs (2x) Min. Print Contrast Minimum 25% 1D: All major codes 2D: PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, **Symbologies Supported** Aztec, MaxiCode Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal Dutch Postal (KIX) **BLUETOOTH Bluetooth** Bluetooth Smart (BLE) 4.0 **Bluetooth Class** Class 2 **WLAN WiFi** IEEE 802.11a/b/g/n (2.4G/5G dual-frequency **Protocol** WIFI) Depending on the country (region), 2.4 GHz is **Frequency Range** 2.412GHz-2.472 GHz;5 GHz is **Working Channels** CH1~CH13, CH34-CH140, CH149~CH165





OPEN, WEP, WPA2-PSK (TKIP+AES), TLS, TTLS (MS-CHAP v2), TTLS (CHAP), TTLSMD5, Security TTLS-PAP, PEAP-TLS, PEAP (MS-CHAP v2) AES 802.11a: 6,9,12,18,24,36,48,54 Mbps 802.11b: 1, 2,5.5,11 Mbps 802.11g: 6,9,12,18,24,36,48,54 Mbps 802.11n: 6.5,13,19.5,26,39,52,58.5,65 Mbps (20 **Data Rate** MHz,Long GI,800ns) 802.11n: 7.2,14.4,21.7,28.9,43.3,57.8,65,72.2Mbps (20 MHz, short GI, 400ns) **Image Frame** 60 fps **Antenna** Built-in antenna **COMPATIBILITY** Any USB host with FTDI VCP driver support USB (Windows, Linux, Mac, Android) Window, Mac, iOS, Android, Linux Bluetooth WARRANTY **Return Policy** 30 days **Setup Support** 30 days **Manufacturer Defect Warranty** 1 year