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PRODUCT SPEC SHEET

AUTOID UTouch UHF RFID Reader

# **AUTOID UTouch**

**Everything in Just A Pound** 

AUTOID UTOUCH RFID device with a weight of less than 480g, 40% lighter than similar products, and a reduced fatigue level after long periods of use, allowing you to carry out repetitive tasks easily. Industrial design standards, a slim but rugged design, and durable materials ensure a long-term performance.



#### **Product Features**



### The transmission of data is real-time, fast, and stable

Communication over 2.4G/5G WiFi is supported. Supports fast reconnection, fast roaming, and channel interference in severe environments.4G Full Netcom support. Data transmission that is fast and stable for outdoor applications.

## Continuous operation for 24 hours with a detachable battery

The device can operate continuously working (keep scanning tags at the maximum power) for over three hours with a single 6400mAh battery. The hot-swappable battery can be swapped out without affecting data, and there are also extra batteries and charging cradles for demanding jobs that require continuous

#### **Specifications**

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Physical Characteristics			
Dimensions	3.1 in. L x 5 in. W x 6.1 in. H		
	79.5 mm L x 127.5 mm W x 156 mm H		
Weight	16.9 oz./480 g with battery		
Display	5.2 in. size Capacitive screen, 1080(W)		
	×1920(H)		
Power	Device battery: removable 6400mAh rated		
	capacity. Bottom type-C USB interface,		
	support QC 3.0, support intelligently		
	identifying PC and charger. Support		
	charging cradle for charging the pistol grip		
SIM Card Slot	Micro SIM card*1 + PSAM card*1		
Expansion Slot	Micro SD Card, 128GB SDHC compatible		
Interface/Communication	Industrial waterproof Type-C USB interface,		
	support USB2.0 high speed, Support OTG		
Notifications	Sound, vibration, LED indicator light		
Buttons	Volume +, Volume -, Power on/off button, 2		
	scan buttons, pistol grip scan button, and 1		
	customer key		
Voice and Audio	Built-in speaker of 1W, built-in dual		
	microphone, the 3.5 mm stereo headset		
	interface		
Performance Characteristic	s		
CPU	Cortex-A53 Octa core 1.8GHz		
Operating System	Android 11		
Memory	4GB RAM/64 GB Flash memory		
User Environment			
Operating Temp.	-4°F /-20°C to +122°F /+50°C		
Storage Temp.	-40°F /-40°C to +122°F /+50°C (include		
	battery)		
	-40°F /-40°C to +158°F /+70°C(no		
	battery)		
Humidity	5% to 95%, non-condensing		
Drop Spec.	Multiple drops from 5 ft./1.5 m		
Sealing	IP65		
Electrostatic Discharge	±15kV Air discharge, ±8kV direct discharge		
(ESD)			
Sensor	Acceleration sensor, optical and distance		
	sensor, electronic compass and gyroscope		
Data Captura			
Data Capture			
Scanning			
	Seuic 2D image scan engine		
Scanning	Seuic 2D image scan engine		
Scanning Scan Engine	Seuic 2D image scan engine Fixed focus. 5MP		
Scanning Scan Engine Camera			
Scanning Scan Engine Camera Front camera	Fixed focus. 5MP		
Scanning Scan Engine Camera Front camera	Fixed focus. 5MP Auto-focus, 13 MP, Support double flashlights		
Scanning Scan Engine Camera Front camera Rear camera	Fixed focus. 5MP Auto-focus, 13 MP, Support double flashlights		
Scanning Scan Engine Camera Front camera Rear camera RFID Read/Write(HF) (Speci	Fixed focus. 5MP Auto-focus, 13 MP, Support double flashlights ial Order Option Only)		
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Scanning Scan Engine Camera Front camera Rear camera RFID Read/Write(HF) (Speci Read-write tag	Fixed focus. 5MP Auto-focus, 13 MP, Support double flashlights ial Order Option Only) Support ISO15693, ISO14443A/B (without encryption protocol), ISO14443A encrypted tags (Mifare one S50, S70 and the compatible cards), support NFC protocol and Identification Cards		

	value >0.5cm for ISO14443B (depending on				
	the tags), support ID cards.				
RFID Read/Write(UHF)- Standard Configuration					
Read-write tag	Support ISO-18000-6C/EPCC1G2				
Antenna Parameter	4dBi circular polarization, default as 920-				
Antenna Faranteter	925MHz				
	840-960MHz (may be slightly different				
Frequency	depending on the country or region),				
	default 902-928MHz				
Operation Mode	Work with frequency hopping spread				
	spectrum (FHSS) or fixed frequency				
Output power	1~33dBm				
Reading distance	≥8m @impinj H47 (depending on the tag				
	and environment)				
Writing distance	0-300cm (depending on the tag and				
	environment)				
Multi-tab reading	200 pieces tags/s (actual speed subjects to				
	the influence of surroundings)				
Reading rate	12ms/word (in average with every word as				
-	32bits)				
Writing rate	60ms/word (in average with every word as				
	32bits)				
Power consumption	less than 8W (average)				
GPS Location information of					
Positioning system	GPS, Beidou, GLONASS (Three in one)				
Frequency	GPS: L1(1.575GHz), Beidou: B1(1.561GHz),				
	GLONASS: L1(1.602GHZ)				
Accuracy	5-10meter (OPEN SKY)				
Fingerprint (Option)					
Fingerprint	Pixel array: 112*96				
	Collection area: 5.6*4.8 mm Resolving power: 508DPI				
	Gray scale: 8 bits Interface mode: SPI, Max 16MHz				
	Built in clock: 66MHz				
	Direction of finger pressing: 360 degrees Cold screen wake up: Support				
Wireless Connectivity					
WLAN					
	IEEE 802.11a/b/g/n/ac (2.4G/5G dual-band				
Protocol	WIFI)				
	Depending on the country (region),2.4GHz				
Frequency Range	is 2.412GHz-2.472GHz; 5GHz is 5.170GHz-				
	5.825GHz				
WWAN	•				
Network	GSM: Qual Band(850/900/1800/1900Mhz)				
	TD-SCDMA: Band34, Band39				
	WCDMA: Band1, Band2, Band5, Band8				
	CDMA 1x /EVDO: BC0				
	TDD-LTE: Band38, Band39, Band40, Band41				
	FDD-LTE: Band1, Band3, Band5, Band7,				
	Band8				
WPAN					
Bluetooth	Bluetooth 4.2(support BLE), Class II				
Accessories					

#### PRODUCT SPEC SHEET AUTOID UTOUCH UHF RFID HANDHELD READER

Standard	Quick charge adapter×1, Type C data	THIRD PARTY APPLICATION	THIRD PARTY APPLICATION SUPPORT	
	cable×1	System Software	Android 11.0	
Additional	OTG cable, Hand strap, Single Device Charging Cradle, 4-slot Device charging	System programming environment	Eclipse, Android Studio	
	cradle, 4-slot Battery Charger, Handle battery, Handle Satchel			





YouTube