SRK UTouch

Everything in Just A Pound

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

Communicationover 2.4G/5GWiFi 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 devicecan 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

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 Characteristics	
CPU	Cortex-A53 Octa core 1.8GHz
Operating System	Android 11
Memory	4GB RAM/64 GB Flash memory

User Environment	
Operating Temp.	-4℉/-20°C to +122℉/+50°C
Storage Temp.	-40℉/-40°C to +122℉/+50°C（include battery） -40℉/-40°C to +158℉/+70°C（no battery）
Humidity	5% to 95%, non-condensing
Drop Spec.	Multiple drops from 5 ft./1.5 m
Sealing	IP65
Electrostatic Discharge (ESD)	±15kV Air discharge, ±8kV direct discharge
Sensor	Acceleration sensor, optical and distance sensor, electronic compass and gyroscope

Data Capture	
Scanning	
Scan Engine	Seuic 2D image scan engine
Camera	
Front camera	Fixed focus. 5MP
Rear camera	Auto-focus, 13 MP, support double flashlights

RFID Read/Write(HF) (Special Order Option Only)	
Read-write tag	Support ISO15693, ISO14443A/B (without encryption protocol), ISO14443A encrypted tags (Mifare one S50, S70 and the compatible cards), support NFC protocol and Identification Cards
Frequency	HF Frequency 13.56MHz
Reading distance	Typical value >2.5cm for ISO15693, typical value >1.5cm for ISO14443A, and typical 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 4dBi
Antenna Parameter	circular polarization, default as 920-925MHz
Frequency	840-960MHz (may be slightly different 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 collection	
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	
Protocol	IEEE 802.11a/b/g/n/ac (2.4G/5G dual-band WIFI)
Frequency Range	Depending on the country (region),2.4GHz 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	

Standard	Quick charge adapter×1, Type C data cable×1
Additional	OTG cable, Hand strap, Single Device Charging Cradle, 4-slot Device charging cradle, 4-slot Battery Charger, Handle battery, Handle Satchel

THIRD PARTY APPLICATION SUPPORT	
System Software	Android 11.0
System programming environment	Eclipse, Android Studio