

FSC-RDC07 Smart Handheld Terminal



This device is a high-performance UHF smart handheld terminal developed and upgraded. It combines powerful UHF ultra-high frequency reading and writing functions, with better sensitivity,

Helps achieve more accurate and faster data collection. It adopts Android operating system, equipped with highperformance processor, and has super long battery life. It is widely used in asset management, clothing inventory, vehicle management, high-speed toll collection, warehouse management, financial management and other fields.



Product parameters

Performance parameters

CPU	Cortex-A53 2.5 / 2.3 GHz octa-core
RAM+ROM	3 GB + 32 GB / 4 GB + 64 GB / 6 GB + 128 GB
expand memory	MicroSD (TF) card expandable up to 128 GB
operating system	Android 8.1 / 11.0; support Soti MobiControl, SafeUEM, etc.

data communication

WLAN	Support IEEE802.11 a/b/g/n/ac protocol (2.4G/5G dual
	frequency), built-in antenna
WWAN (Android 8.1)	2G: 900/1800 MHz 3G: WCDMA: B1/B8 CDMA2000 EVDO: BC0 TD-SCDMA: B34/B39
	4G: B1/B3/B5/B8/B34/B38/B39/B40/B41
WWAN (Android 11.0)	2G: GSM850/GSM900/DCS1800/PCS1900 3G: WCDMA: B1/B2/B4/B5/B8 CDMA2000 EVDO: BC0 TD-SCDMA: A/F
	4G:B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28A/B28B/B34/ B38/B39/B40/B41
Bluetooth	Android 8.1: Bluetooth v2.1+EDR,3.0+HS,v4.1+HS; Android 11.0: Bluetooth 5.0
GNSS	Integrated GPS, GLONASS and Beidou; built-in antenna,

physical parameters

Overall size	164.2 mm x 80.0 mm x 24.3 mm
Total Weight	654 g
display screen	5.2 inches, IPS LTPS 1920 x 1080 resolution
touch screen	Corning Gorilla Glass, supports multi-touch, supports gloved or wet hand operation
	Rechargeable lithium polymer battery 8000 mAh
battery capacity	Standby time > 500 hours
	Working time > 12 hours (depending on usage and network
	environment)
	Charging time 3-4 hours (using standard power adapter and
	data cable)
expansion card	A total of 2, one Nano SIM card slot, the other card slot Nano
slot	SIM or TF two options
Communication	USB 2.0 Type-C, OTG, octa-core version supports TypeC
Interface	headset
audio	speaker, 2 microphones
keyboard	4 main keyboards, 1 power key, 2 scan keys, 1 multi-function key
sensor	Light sensor, distance sensor, gravity sensor

development environment

SDK	Terminal SDK
Development language	Java
development tools	Eclipse / Android Studio
Operating temperature	-20 °C to 50 °C
Storage temperature	-40 °C to 70 °C
environment humidity	5% RH - 95% RH (non-condensing)
drop specification	Within the operating temperature range, the 6 sides can withstand the impact of multiple drops from a height of 1.5
rolling test	Continuous rolling of 0.5 meters for 1000 times, the 6 contact surfaces still run stably after rolling, reaching the IEC rolling specification
Degree of protection	Host IP67, up to IEC sealing standard
Static Protection	± 15 KV air discharge, ± 6 KV contact discharge

data collection

Camera

Camera 1.300 万像素彩色摄像头,支持自动对焦、闪光

RFID UHF (optional)

Working frequency (860-960 MHz customized frequency band as required)

China frequency	920-925 MHz
US frequency	902-928 MHz
European	865-868 MHz (ETSI EN 302 208)
other frequencies	Other multinational frequency standards (customizable)
engine	Module developed based on Impinj E710 / R2000 chip
protocol standard	EPC C1 GEN2 / ISO18000-6C
Antenna	Linear polarized antenna (1.8dBi) / circular polarized antenna (4dBi)
power	1W (30 dBm, support +5 dBm ~ +30 dBm adjustment)
	Optional 2W (33 dBm, for Latin America, etc.)
Reading distance	Circular polarization up to 15 meters (outdoor open environment, Impinj MR6 label);
	Linear polarization up to 7 meters (outdoor open environment)
Group read rate	Up to 900 tags/sec (circular polarization)

*The card reading distance and group reading rate are related to the actual environment

NFC (optional)

working frequency	13.56 MHz	
protocol standard	ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2, etc.	
labeling standard	M1 card (S50, S70), CPU card, NFC tag, etc.	
Read and write	2-4 cm	
Barcode collection (optional)		
1D scan engine	Zebra: SE965; Honeywell: N4313	
Support 1D barcode type	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS 等	
2D scan engine	Zebra: SE4710 / SE4750 / SE4750MR; Honeywell: N6603	
Support 2D barcode type	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX)etc.	
Accessories		

标配 adapters, data cables, etc.

Optional	Base, sheath, handle, etc.

*Please refer to the accessories guide for accessories details