



RFID PDA ST4

The ST4 mobile RFID PDA is equipped with an octa-core Cortex ARM® 2.0GHz processor and runs Android 13, it has an optional 1D/2D barcode scanner and RFID UHF, HF 13.56MHz, BF 125KHz/134KHz readers as well as communication features such as WiFi, Bluetooth, 3G/4G, GPS.

Characteristics

- Android 13
- Processor (Cortex ARM® 2.0GHz octa-core)
- Long-range UHF RFID reader, Impinj R2000 chip, range up to 10 meters (ST4 GUN model)
- RFID reader HF 13,56MHz, LF 125KHz/134KHz, UHF (2m)
- Robustness level IP67, withstands a fall from 1.5m height

SPECIFICATIONS		
PHYSICAL CHARACTERISTICS		
Dimension	170.8mm(H)x81mm(W)x28.6mm(D)±2 mm	
Weight	Net Weight :400g (including battery&wrist strap)	
Display	Tough 5.5 in. TFT-LCD(720x1440)touch screen with backlight	
Backlight	LED backlight	
Expansions	2 PSAM, 2 SIM, 1 TF	
Battery	Rechargeable li-ion polymer, 3.8V,5200mAh	
PERFORMANCE CHARACTERSTICS		
CPU	Cortex ARM® 2.0GHz octa-core	
Operating System	Android 13.0	
Storage	3GB RAM/32GB ROM or 4GB RAM/64GB ROM, MicroSD(max 256GB expansion)	
USER ENVIRONMENT		
Operating Temp.	-20℃ to 50℃	
Storage Temp.	-20℃ to 70℃	
Humidity	5%RH to 95%RH(non-condensing)	
Drop Specifications	5ft./1.5 m drop to concrete across the operating temperature range	
Sealing	IP65, IEC compliance	
ESD	±15kv air discharge, ±8kv direct discharge	
DEVELOPMENT ENVIRONMENT		
SDK	Handheld-Wireless Software Development Kit	
Language	Java	
Environment	Android Studio or Eclipse	
DATA COMMUNICATION		
WWAN	TDD-LTE Band 38, 39, 40, 41; FDD-LTE Band 1, 2, 3, 4, 5,7,8,12, 17, 20; WCDMA(850/1900/2100MHz); GSM/GPRS/Edge (850/900/1800/1900MHz);	
WLAN	2.4GHz/5.0GHz Dual Frequency, IEEE 802.11 a/b/g/n/ac	
WPAN	Bluetooth Class v2.1+EDR, Bluetooth v3.0+HS, Bluetooth v4.2	
GPS	GPS(embedded A-GPS), accuracy of 5 m	
DATA CAPTUER		
BARCODE READER(OPTIONAL)		
2D Barcode	2D CMOS Imager	Honeywell N5703 2D Scan Engine/ Newland NLS-CM60/Newland NLS-N1
	Symbologies	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. etc.
COLOR CAMERA		
Resolution	Rear 13 megapixel, front 5.0 megapixel	

Lens	Auto-focus with LED flash	
RFID READER(OPTIONAL)		
RFID Low Frequency	Frequency	125KHz/134.2KHz(FDX-B/HDX)
	Protocol	ISO 11784&11785
	R/W Range	2cm to 10cm
RFID High Frequency/NFC	Frequency	13.56MHz
	Protocol	ISO 14443A&15693, NFC-IP1, NFC-IP2
	R/W Range	2cm to 5cm
RFID UHF	Frequency	865~868MHz or 920~925MHz
	Protocol	EPC C1 GEN2/ISO 18000-6C
	Antenna Gain	Circular antenna(2dBi)
	R/W Range	2m(tags and environment dependent)
FINGERPRINT READER(OPTIONAL)		
Sensor	TCS1xx	
Sensor type	Capacitive, area sensor	
Resolution	508 DPI	
Performance	FRR<0.008%, FAR<0.005%	
Capacity	1000	
PSAM SECURITY(OPTIONAL)		
Protocol	ISO 7816	
Baudrate	9600, 19200, 38400,43000, 56000, 57600, 115200	
Slot	2 slots(maximum)	
ACCESSORIES		
Standard	1xPower Supply; 1xLithium Polymer Battery; 1xType-C cable	
Optional	Cradle	