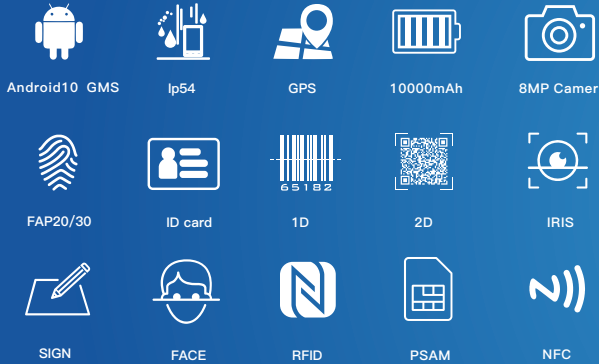


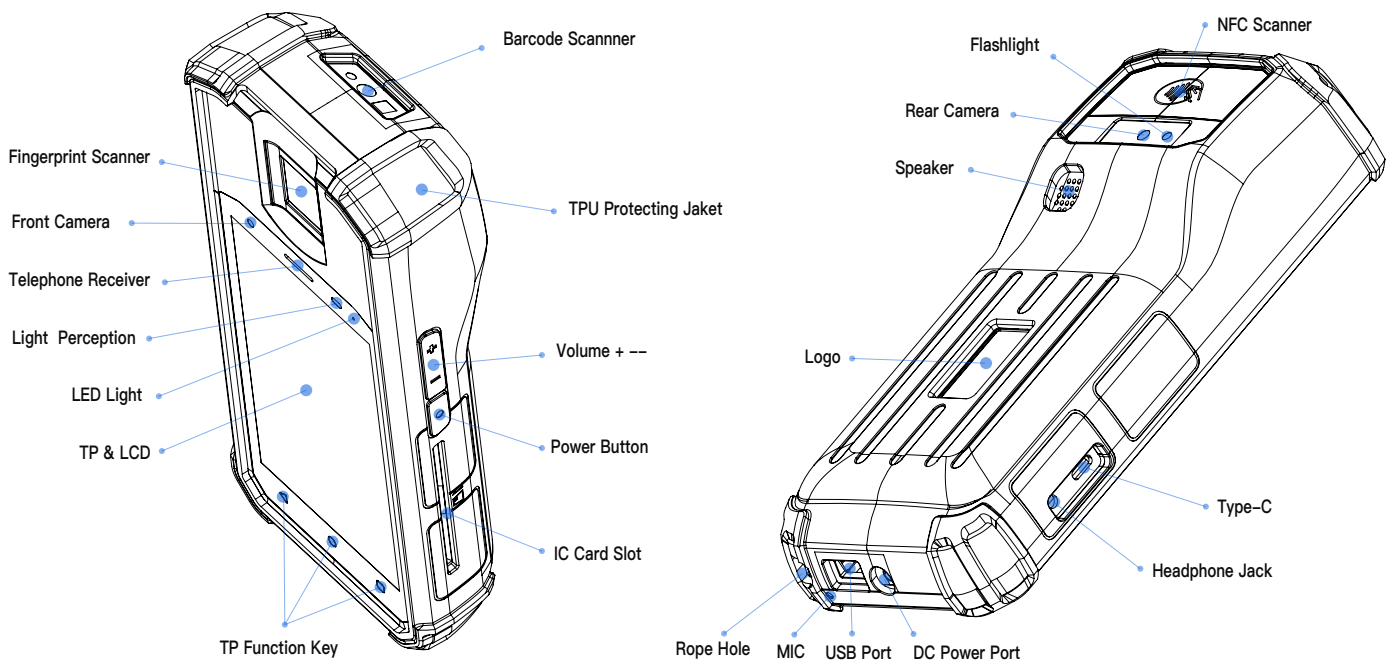
Biometric Rugged Handheld EP500-SM93



Functions

- We passed the certification of the android 10 GMS and ensure various services and software to be able to use Google.
- Have the ability to complete rapid fingerprint capture with optical FAP20/FAP30 fingerprint sensor.
- Rechargeable lithium-ion polymer 10000mAH@3.7v smart battery (37.0Wh). Portable can remove the battery, All week long worktime.
- Rugged & durable design, Drop tested at 1.22 meter with silicone protector, operated in severe rugged and mobile environment.
- Support GPS, Glonass, more accurate positioning.
- Rear 8 million pixel camera, easy to collect images and video information.
- Built in NFC, 1D/2D, FACE, IRIS, IC CARD and other functional modules to meet the application needs of multiple industries.

Physical Characteristics



* All technical data, specification and performance figures subject to change without notice.

Specification Parameter

Basic parameters		
Dimension	198 x 87 x 44mm	
Weight	device unit 650g	
Device Color	black	
LCD	5 inch IPS 16:10, 720x1280	
Touch Panel	5 point G+FF capacitive touch screen	
Camera	Front 5.0MP Rear 8.0MP (Optional Rear 13.0MP)	
I/O	USB 2.0 Type-A x 1, USB Type-C (support OTG) x 1, SIM Card x 2, TF Card x 1, Φ3.5mm DC jack x 1 Φ3.5mm standard earphone jack x 1, IC card Reader x 1 (Optional), PSAM Card x 2 (Optional)	
Power	AC100V ~ 240V, 50Hz/60Hz, Output DC 12V/1.5A	
Data Collection		
NFC	Built-in	
1D/2D	Laser 1D & 2D Barcode Scanner (NLS-N1) (Optional)	
Fingerprint	Suprema BM-Slim3 Suprema BM-Slim2 Futronic FS81 MIAxis® SM-92M MIAxis® SM-93M	Optical FAP20/30 Fingerprint Sensor FBI PIV/ FIPS201 and FBI Mobile ID FAP20/30 Certified 500 PPI Resolution Live Fingerprint Detection.
Smart Card Reader	Supports ISO 7816 – Class A, B and C (Optional)	
Contactless Card Reader	13.56MHz NFC, ISO14443 Type A/B, Mifare, ISO18092 compliant (Optional)	
PSAM Card	YES (Optional)	
IRIS	YES (Optional)	
FACE	YES (Optional)	

Performance parameter	
Platform	MTK6761 (Quad-Core ARM Cortex-A53 2.0GHz)
OS	Android 10 Passed Google certificated (GMS)
Memory	2GB+16GB; 3GB+32GB; 4GB+64GB (Optional)
Extend Memory	T-flash Card (256G extend)
FOTA	YES
Battery	
Capacity	3.7V/5000mAh (Optional 10000mAh)
Type	Built in polymer lithium ion battery
Endurance	14hrs (50% volume sounds, 50% brightness, 1080P HD video display by default)
Communication	
WIFI	WiFi 802.11 b/g/n/ac
Bluetooth	BT4.1
3G/4G (Optional)	CMCC 4M: LTE B1/B3/B5/B7/B8/B20/B38/B39/B40/B41 WCDMA B1/B2/B5/B8 GSM B2/B3/B5/B8
GNSS	Built-in Glonass, Beidou, GPS (Two out of three)
Reliability	
Operate Temperature	-20 °C ~ 55 °C
Store Temperature	-30 °C ~ 70 °C
Humidity	95% Non-Condensing
Rugged Feature	Ip54 certified, CE certified
Drop Height	1.22m

Application Range

Various modules and accessories can be selected to meet customers' application in various industries.

