



H5-S

FAP20 Mobile Biometric Security Device

Design and development based on EKEMP's project experience and customer feedback.

The H5-S handheld biometric terminal is equipped with the **EKEMP EM62 Secure Fingerprint Scanner**, which is powerful and can meet the needs of versatile biometric application.

Product Feature

- Modern and Rugged Design with light weight.
- 64 bit Quad Core fast processing CPU.
- Integrated MOSIP Compliant EKEMP EM 62 Fingerprint Scanner, FAP20 500DPI, FBI certified, Live Detection.
- Multiple communication method: GPRS, 3G, 4G LTE, WIFI, bluetooth.
- Built-in contactless card reader supporting MIFARE card, CPU card, NFC and E passport reading.
- Built-in contact card reader supporting CPU card reading.
- 5,000mAh Large Volume Li-on battery
- PSAM Card support
- Barcode Scanning Supported via Camera

Applications



Biometric Registration



Voter Verification



National Identity Application



E-KYC



Law Enforcement



Border control



Time Attendance



Access Control

Specification

| Item | Specification |
|-----------------------------|---|
| Operation System | Android 11 |
| CPU | ARM Cortex A53 Quad Core 2.0Ghz |
| Memory | RAM 2GB ROM 16GB, Optional RAM 3GB ROM 32GB, RAM 4GB ROM 64GB |
| Screen | 5" 1280x720 pixels IPS Capacitive Touch Screen |
| Communication | Wi Fi: 802.11 a/b/g/n/ac 2.4 + 5GHz 2G: GSM/GPRS/EDGE 3G: WCDMA HSPA UMTS 850/900/1700/1900/2100Mhz 4G: EU Version FDD (B1/3/5/7/8/20/28A/28B) TDD (B38/39/40/41) AM Version FDD (B2/4/5/7/8/12/17/28a&b/66) TDD (B38/40) Bluetooth: 5.0 |
| HD Camera | 5 Mega Pixels(Front Camera, Optional) 8 Mega Pixels with Flash light, Auto Focus (Rear Camera) 13 Mega Pixels with Flash light(Optional), Sony Camera Sensor |
| GPS(Optional) | GPS/GLONASS/BEIDOU |
| Fingerprint Scanner | EKEMP EM26 , Active Thermal, 500DPI, with Live Detection Technology, MOSIP Compliance and PCI 6.0, Templates Compliant with ISO/IEC 19794-4, WSQ, and JPEG2000, FBI Certified, FAP20 Image Size: 300 x 400 pixels, LFD(Live Finger Detection) Supported |
| Smart Card Reader(Optional) | ISO7816, CPU card reading supported |
| RFID Reader(Optional) | 13.56MHZ, ISO14443 Type A/B, Mifare, Contactless CPU Card, E Passport Reading Supported, NFC Supported etc |
| SAM(Optional) | 1xSAM Card Slot, ISO 7816-compliant (Class A) |
| SIM slots | 2x nano SIMs Card Slot |
| SD card | Micro SD, maximum=256GB |
| Interface | USB Type C(OTG Supported), DC for charging |
| Battery | 5,000mAh Li-ion Rechargeable Battery |
| Power Supply | D/C 5V, 2.5A Power Supply |
| Accessories(Optional) | Hand strip |
| Dimension | 182x81x25mm |