High Performance, industrial grade computational system

- CPU: MT6739 Cortex A53 1.5GHz

Industrial processors that ensure demanding applications can be served responsively & intuitively.

OPEN yet Secure Operating System and Multi-Application Architecture

- Android OS 8.0
- Java SDK for biometric and credential (SmartCard, M&Z) functionality
- The most exhaustive collection of apps for a variety of Biometric Algorithms, multiple credential authenticators, 1D and 2D barcode reading, device management, etc.

Android based platform unlocks worldwide development resources, reduces risk, obsolescence and vendor lock-in. Application development is exponentially accelerated because of the features rich OS.
**ID verification & biometric Tablet 8”**

### Features

**Contactless Card Reader**
- Compliant with ISO 14443
- Fully interoperable to read all type of e-passport

**Contact Card Reader**
- Compliant with ISO 78161/2/3
- Fully interoperable to read all type of eID document

**Fingerprint Scanner**
- Optical Finger Print FAP 20
- FIPS 201 & FBI PIV Certified

**Camera (back & front)**
- High quality 13MP back camera autofocus with led flash
- For Photo capture or Barcode reading

**Embedded Swipe MRZ OCR Reader (option)**
- Swipe MRZ scanning
- OCRB : able to read ID1, ID2 and ID3 ICAO documents

**Communication**
- GPRS/2G/3G/4G, Bluetooth/ Wifi, GPS
- Dual SIM

**Additional connection**
- SAM slot SIM & Micro SD card slot under cover

**High Battery Capacity**
- 8000mah, for full day autonomy
- Fast power charging system

**8” touch screen**
- Ergonomic large screen for comfortable reading & update
- Or Signature pad capture on tablet

**High-Speed and Secure Memory**
- Memory:
  - RAM 3G + ROM 32G
  - (Optional RAM 2G + ROM 16G)
- SD card: up to 256GB
- 3 GB of DDR3 RAM allows memory intensive applications, like 1:N biometric identification.
- 32GB ROM memory built into the main board provides unparalleled combinations of high speed data I/O and security.

**Multiple Connectivity**
- Wi-Fi: 802.11a/b/g/n, 802.11i: AES, TKIP, WEP, WPA, WPA2
- Bluetooth BLE 4.1
- Cellular: GSM 850/900/1800/1900
  - WCDMA B1/B2/B5/B8
  - TD SCDMA A B34/F B39
  - TDD B38/B39/B40/B41
  - FDD B1/B3/B7/B8/B20
- GPS : Support, with ± 5 meters accuracy

Main cellular support ensures the ID verification TAB can support world-wide networks. Latest generation Wi-Fi and Bluetooth capability open up abundant communication options.

Wi-Fi and Bluetooth are used at the same time.
Wi-Fi can achieve seamless roaming.
ID verification & biometric Tablet 8”

**Touchscreen Display**
- Diagonal Size: 8 inch LCD
- Resolution: 1280 x 800 pixels
- Full view, 16:10
- Touch panel: LCD Capacitive Screen, multi-touch, signature

Large display area and user interface is part of a highly mobile and ergonomically designed package that guarantees a pleasant, intuitive and efficient operator experience.

**Finger Print**
- Resolution up to 500dpi, 320x480 pixels
- Accord with standard of FIS 201 / PIV, ISO 19794-2 or ANSI 378 template formats, FBI Certification
- Fingerprint scanning window size is 16.26 x 24.38mm
  - Image resolution is 320x480 pixels, 500 DPI
  - Image format is 8 bit 256 grayscale
  - Raw fingerprint image file size is 1.50K byte
  - Operation temperature: -10 to +55 Degree Celsius
  - Relative Humidity: 0-90% non-condensing
- Compliant to following standards
  - FIPS 201 / PIV 071006 Image Quality Specification
  - Mobile ID FAP20
  - Microsoft WHQL
  - FCC and CE
  - RoHS

Optical scanners compliant to biometrics standards requirement

**Contact and Contactless Smart Card Additional Readers**
- Smart Card Reading
  - Contactless reader
  - Compliant with NFC 14443 A/B (frequency is 13.56MHZ, card reading distance is over 2cm),
  - Card reading speed supports 106, 212, 424, 848 kbps
  - Contact reader
  - Compliant with ISO7816 protocol
- Standard SIM Card, dual SIM Slot support transmission of data 2G and 3G 4G
  - SAM Slot: 3 slots

Compatible with all smart card standards, the smart card reader provides reliable support for wide range of card formats and card types.

A Secure Access Module (SAM) is based on SmartCard Integrated circuits and is used to enhance the security and cryptography performance in devices.

ID verification TAB provides a full SIM card size slot for inserting a SAM card.

**MRZ Reader (option)**
- Swipe MRZ Reader (Embedded) in option
- ICAO Read capabilities
  - Standard OCR fonts: OCR-B and E13B
- Machine readable passports (MRP) : 2 lines of 44 characters
- Machine readable visas (MRV) : 2 lines of 44 characters, 2 lines of 36 characters
- Travel documents: 2 lines of 36 characters, 3 lines of 30 characters
- Field of view object height: 19.6mm nominal
- Depth of field: 1.5mm maximum from imager window

Swipe MRZ reader to support all ICAO document reading

**Integrated Camera**
- Back:
  - Resolution: 13 MP
  - Autofocus: Yes
  - Flash: Led Flash
- Front:
  - Resolution: 5 MP
  - Autofocus: NO
  - Flash: NO

Photo Capturing: High resolution webcam on both sides, adaptive light
ID verification & biometric Tablet 8”

Easy to Expand

- USB On-The-Go (OTG) support
- Micro USB 2.0 *1 Support OTG
- USB TYPE A *1

A plethora of peripherals & cases can be connected OTG Micro USB. For example:

- 1D / 2D Barcode Scanner (External)
- Signature Pad (External)
- IRIS Module (External)

Additional technical info

- Battery Capacity: 8,000 mAh
- Battery voltage: 3.4V~4.2V
- Stand-by time: ≥150h with ≤10mA
- Working Time: 12h
- Operating Temperature: - 15°C ~ 50°C
- Storage Temperature: - 20°C ~ 65°C
- Dimension: 202 x 186 x 17 mm (H = 27 mm at the top)
- Net Weight: 800 g
- IP Level: IP54

- Accessories:
  - Protective casing, support 1m drops
  - Power bank, support power charging for tablet
  - Docking station

Strong capacity batteries with smart power consumption, the ID verification TAB ensures full day performance.