THALES

Technical Data Sheet

ID verification & biometric Tablet 8"

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, MRZ) 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"

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 e-ID document

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

8" touch screen
Ergonomic large screen for comfortable reading & update, Or Signature pad capture on tablet

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

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

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

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

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

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, 320 480 pixel 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 150K 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.