

# ID Screen ONE

## Secure biometric identity on-the-go

The secure biometric tablet designed for trusted identity



### Overview

ID Screen ONE is IDEMIA's next-generation biometric tablet, purpose-built to meet the highest standards of digital identity, security, and operational mobility.

Versatile, robust, and highly secure, it includes IDEMIA's best in class optical fingerprint sensor, delivering fast, reliable, and certified identity verification even in the most demanding environments.

### Important Features

Thanks to its Android OS, ID Screen ONE **supports already a wide range of fixed and mobile use cases such as:**

- Mobile identity checks for law enforcement and public security authorities
- Biometric enrollment for civil ID, voter registration, immigration, social programs, population census
- Enrollment and authentication for Know Your Customer (KYC) applications. Mainly with mobile network operators and banks.
- Secure access control for sensitive and critical infrastructure. Mobile/Physical ID checking onsite.
- Identity verification for financial services, telecom operators, and government agencies

- In-the-field identification in remote or connectivity-constrained environments. The embedded CBM is a real asset when offline identification/authentication is required.

Designed to adapt to multiple operational scenarios without compromising trust, the number of potential applications for ID Screen ONE is almost limitless.

### IDEMIA's best-of-breed technology inside

At the core of ID Screen ONE lies IDEMIA's CBM intelligent biometric sensor, the biometric module and best-of-breed technology for fingerprint capture:

- Fast, accurate, and certified fingerprint capture
- Compliance with the most demanding international standards
- High-quality image acquisition, even in challenging conditions
- Matching, Liveness, anti-spoofing and an embedded user database makes it the perfect plug-and-play biometric module that takes care of all the biometrics data processing for you.

## Benefits



### All-in-one biometric stack

On-module matching, liveness verification, template generation and a local database for up to 5,000 users. Ideal for offline, local or latency-sensitive deployments.



### Ruggedization

The ID Screen ONE is IP65 ingress protection certified to support outdoor and semi-outdoor applications.



### Fleet care

Silent Firmware updates with Android, Windows and Linux hosts; diagnostics and logging endpoints allow proactive service at scale.



## Technical specifications

### CHARACTERISTICS

#### Physical Characteristics

WxLxH = 138.3 x 262.6 x 17 mm (5.5 x 10.3 x 0.67 inches)

Weight = ~670 g (~24 oz) (approximate)

#### Processor

Octa Core 2x 2.2 GHz + 6x 2 GHz

#### Operating System

Android 16.0, GMS Certified.

Non GMS version available upon request

#### Display

8.68" (1340 x 800) IPS touchscreen. 16.7 million colors.

#### Cameras

Front camera: 2 MPx (8 MPx optional)

Rear camera: 13 MPx + 2 Flash LEDs

#### Memory

Internal: 8 GB RAM, 64 GB Flash External: microSD slot - up to 2 TB

#### Audio

Microphone

Speaker

#### GPS

GPS, A-GPS, Glonass, Galileo

#### Battery

Li-Polymer, 10000mAh

### SENSORS/READERS

#### Fingerprint sensor

CBM-E4 by IDEMIA

Optical, 500 dpi, 256 grayscale, 14x22 mm capture area

FBI PIV IQS

#### Contactless reader

ISO/IEC 14443 A/B [NXP chip]

#### Contact reader

ISO/IEC 7816 1/2/3/4 (T=0 & T=1)

Class A (5V) / B (3.3V) / C (1.8V) smart cards 1 FF format

#### Signature capture

On touchscreen (with passive stylus - optional accessory)

#### IRIS camera sensor

Optional (to be discussed upon project request)

### SECURITY FEATURES

#### Security features

Hardware secure boot

Secure signature keys for system and applications

Optional: Mobile Fleet Management with SOTI (other options possible)

SAM (Secure Access Module) (optional)

### INTERFACES/CONNECTIVITY

#### Charge

USB-C in for charging

Charging time 0 - 80 % < 2h30 (with the provided charger)

#### USB

2xUSB 2.0 Type-C OTG (charge)

Type-A USB (data OTG)

#### Bluetooth

5.4 with BLE (Bluetooth Low Energy)

#### Wi-Fi

WiFi 6 - 802.11 ac/b/g/n/ac/ax (2.4 and 5 GHz)

Wi-Fi: Direct and Hot Spot

#### Cellular communication

Dual SIM cards - Voice & Data

4G

3G

2G: GSM - GPRS - EDGE 850/900/1800/1900

#### Security

SAM slot (2FF format)

### SOFTWARE DEVELOPMENT KITS

#### MSO SDK

SDK with dedicated APIs for fingerprint sensor and card reader

MSO SDK

Managing the internal fingerprint sensor database for up to 5,000 users

#### MorphoKit SDK

High-level SDK for Fingerprint and Face biometric capabilities

Managing user database on host for up to 100,000 users in both face and fingerprint modalities

### ENVIRONMENTAL CONDITIONS

#### Temperature

Operating: -10°C to +50°C (15°F to 122°F)

Storage: -40°C to +70°C (-40°F to 158°F)

Charge mode : 0°C to +45°C (32°F to 113°F)

#### Humidity

Operating: 10% < RH < 90%

Storage: 5% < RH < 95%

#### Drop tests

1.0 m (3.28 ft), multiple drops

### CERTIFICATIONS & APPROVALS

#### Fingerprint sensor

FBI PIV IQS

#### EMC/Safety standards

CE, FCC

#### Environment standards

RoHS, REACH, WEEE

### ACCESSORIES

#### In box

Charger with 3 plugs (EU, UK, US)

USB Data / Charge cable

#### Accessories

Hand strap (optional)

Stylus (optional)

Lanyard Hole (Lanyard not included)

\*VESA 10 Universal mount

\*The VESA mount standard defines dimensions of the four-hole attachment interface on the back of ID Screen ONE and the screws used to fit those holes

