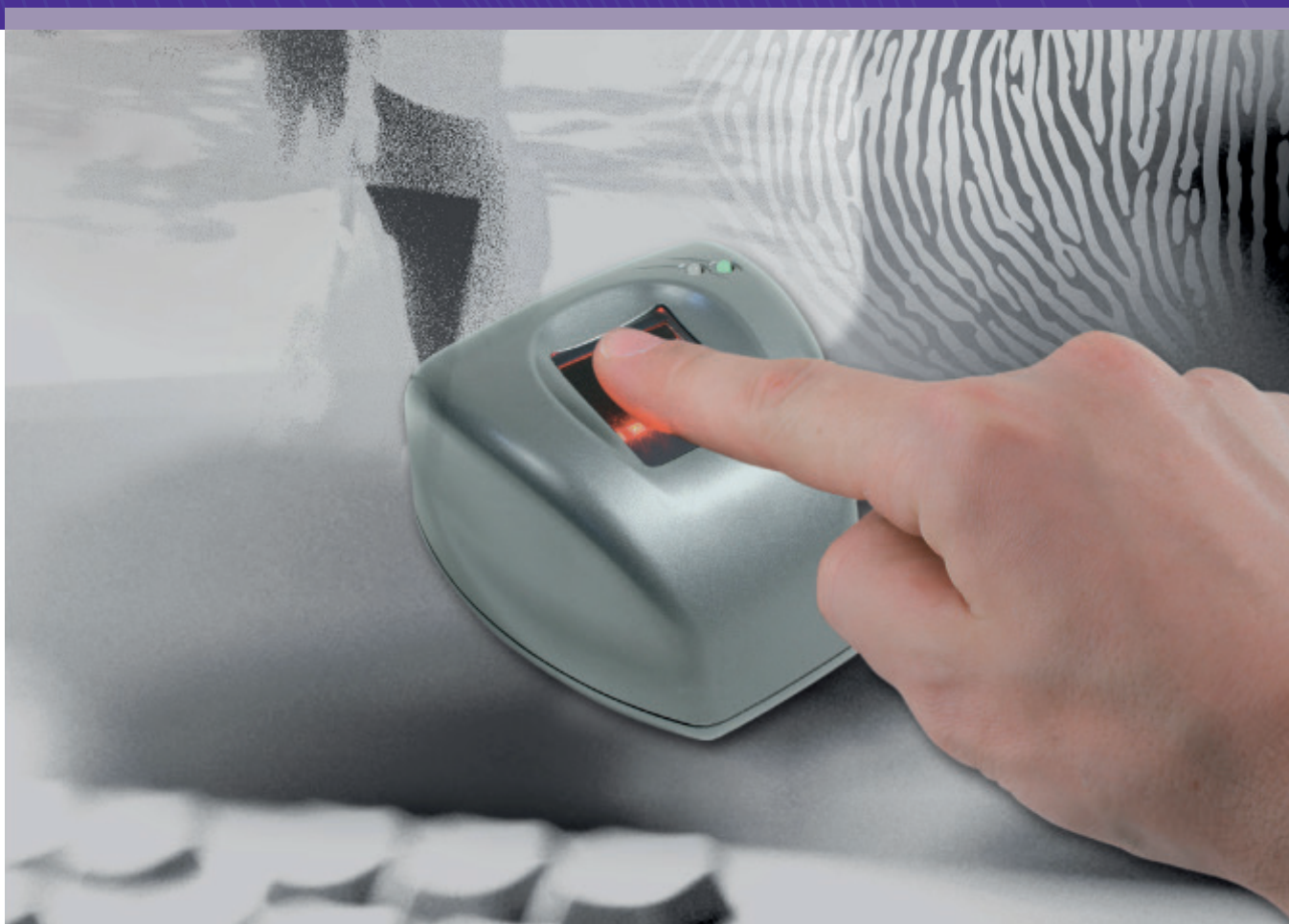


# MSO 330/331

## Multi-application FAP30 optical fingerprint reader



The MSO 330/331 are a family of **high-end optical FAP30 USB readers**, based on IDEMIA's unrivalled experience in the fields of electro-optics and forensic quality fingerprint processing algorithms. The devices cover a wide range of applications: enrollment, authentication and identification in industrial/commercial and governmental environments.

Excellent fingerprint image quality: large capture surface, FBI PIV IQS certification

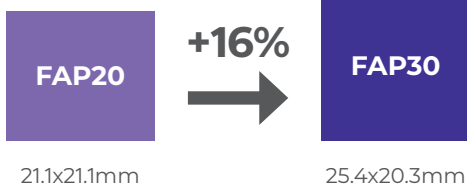
Enrollment, 1:1 verification and 1:N identification capabilities

High accuracy: embedded FIPS 201 and MINEX compliant algorithms

Large internal database capacity: up to 5000 user (2 templates each)

"Privacy mode" to help comply with data privacy regulations such as GDPR

Fake finger detection and security features in option



- A versatile device to carry out **both enrollment and comparison** (1:1 authentication and 1:N identification)
- **Excellent fingerprint capture and processing performance** thanks to a **FAP30** fingerprint optical sensor offering +16% surface vs FAP20 (25.4x20.3mm, 400x500pxl, 500 dpi, 256 grey levels)
  - Authentication < 0.7 sec(1)
  - Identification < 0.9 sec in 1:1000 mode(1)
  - Top grade solution to register young or elderly people, manual laborers (mining, textile, etc.)
- **Overall performance certified at the highest levels:**
  - FBI PIV IQS (image quality)
  - MINEX compliant algorithms
  - FIPS 201
  - STQC
  - Fingerprint spoof detection technology
- **Accurate:** the false acceptance rate (FAR) is configurable down to 10<sup>-8</sup> - depending on the security requirements - and maintained regardless of number of users in database
- **Guides the user and automatically controls the image quality** during fingerprint capture
- **Large internal database:** standard capacity of 500 users (2 fingerprints each), extendable to 3000 (with MSO IDENTLITE license) or 5000 (with MSO IDENTPLUS license)
- **Multiple template & image formats:**
  - ISO 19794-2, ANSI/INCITS 378, Proprietary
  - ISO 19794-4, WSQ compressed image
- **Options:**
  - Fake finger detection, same technology in MSO331 than MSO301
  - Security features to protect the communication channel between host and device (integrity check, data encryption)

**SOFTWARE PACKAGES**

- The **MSO SDK** is available to integrate easily the MSO 330 sensors into various applications and use their embedded capabilities:
  - Available for Windows and Linux platforms
  - Includes a BioAPI interface

*NB: Low level protocol (ILV) is also available*

- The MSO 330/331 can also be used with **MorphoKit™** by IDEMIA, an advanced SDK for the capture and processing of fingerprint images, authentication and identification

		MSO 330	MSO 331
<b>Interface</b>		USB	
<b>Internal database</b>		From 500 to 5000 users	
<b>Fake finger detection</b>		-	Yes
<b>Protection</b>		IP54	
<b>Security layer</b>		Optional	
<b>Certifications</b>	FBI PIV IQS	Yes	
	MINEX compliant algorithms	Yes	
	FIPS 201	-	-
	False Finger Detection technology	-	Yes
	STQC	In progress	