

IDENTIFICATION

MORPHOSMART™ 1300 SERIES

USB FINGERPRINT DEVICE

FOR HIGHLY SECURE DESKTOP APPLICATIONS



Enrollment and matching on the same terminal

Suitable for desktop and laptop applications

One-to-one authentication and one-to-many identification

Enhanced security features

Integrated smartcard reader available

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USB FINGERPRINT DEVICE

FOR HIGHLY SECURE DESKTOP APPLICATIONS

A versatile biometric device with enhanced security features

The MorphoSmart™ 1300 Series (or MSO 1300) is a family of multifactor authentication peripherals using fingerprint and smartcard technologies. They have been specially designed to address the needs (security, user friendliness) of logical access control to highly secured desktop PC applications, in industrial, corporate or governmental environments. The MorphoSmart™ 1300 Series are based on a fast and cost-effective optical sensor and have a storage capacity of 500 users — or 1,000 templates.

Whether used for off-the-shelf enrollment or in custom-made applications, the MorphoSmart™ 1300 series are a flexible, ergonomic and cost-effective solution for the fast and secure processing of quality fingerprint images, with match-on-device and match-on-card functions that guarantee the faultless protection of information.

A gifted range of fingerprint readers

- A class of performance **certified at the highest level:** FIPS 201, MINEX, FBI PIV IQS,
- **Fast processing** during enrollment, identification and authentication:
 - **authentication < 0.6 sec** (including detection, encoding and matching)
 - **identification < 0.8 sec** in 1:1000 identification mode (including detection, encoding and matching)
- **Large-size sensor** (14x22mm) that guarantees enhanced performance during enrollment and matching
- **High capacity database** in identification mode: 500 users or 1,000 fingerprint templates
The stored templates are protected against fraudulent extraction.
- A version with integrated **smartcard reader** is available (MSO 1350)
- **Multi task:** MSO 1300 Series can perform enrollment, local matching or matching against a remote database. It can also manage a local database
- MSO 1300 Series are **smart and user-friendly** sensors that guide the user during enrollment (finger position, pressure, etc.) to acquire the best possible fingerprint image
- **Accuracy:** the False Acceptance Rate (FAR) can be configured down to 10^{-8} , depending on the security requirement
- FBI PIV IQS certified versions available (MSO 1300 E, MSO 1350 E)
- FIPS 201 certified version available (MSO 1350 E)
- CE, FCC and RoHS compliant



MorphoSmart™ 1350



MorphoSmart™ 1300

	MSO 1200	MSO 1300	MSO 1300 E	MSO 1350	MSO 1350 E
Security layer			Optional		
Interface	Serial	USB	USB	USB	USB
Smartcard reader	No	No	No	Yes	Yes
Integrated database	500 users	500 users	500 users (upgradable to 3,000 or 5,000 with license)	500 users	500 users (upgradable to 3,000 or 5,000 with license)
FBI PIV IQS certification	No	No	Yes	No	Yes
FIPS 201 certification	No	No	No	No	Yes

Morpho

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