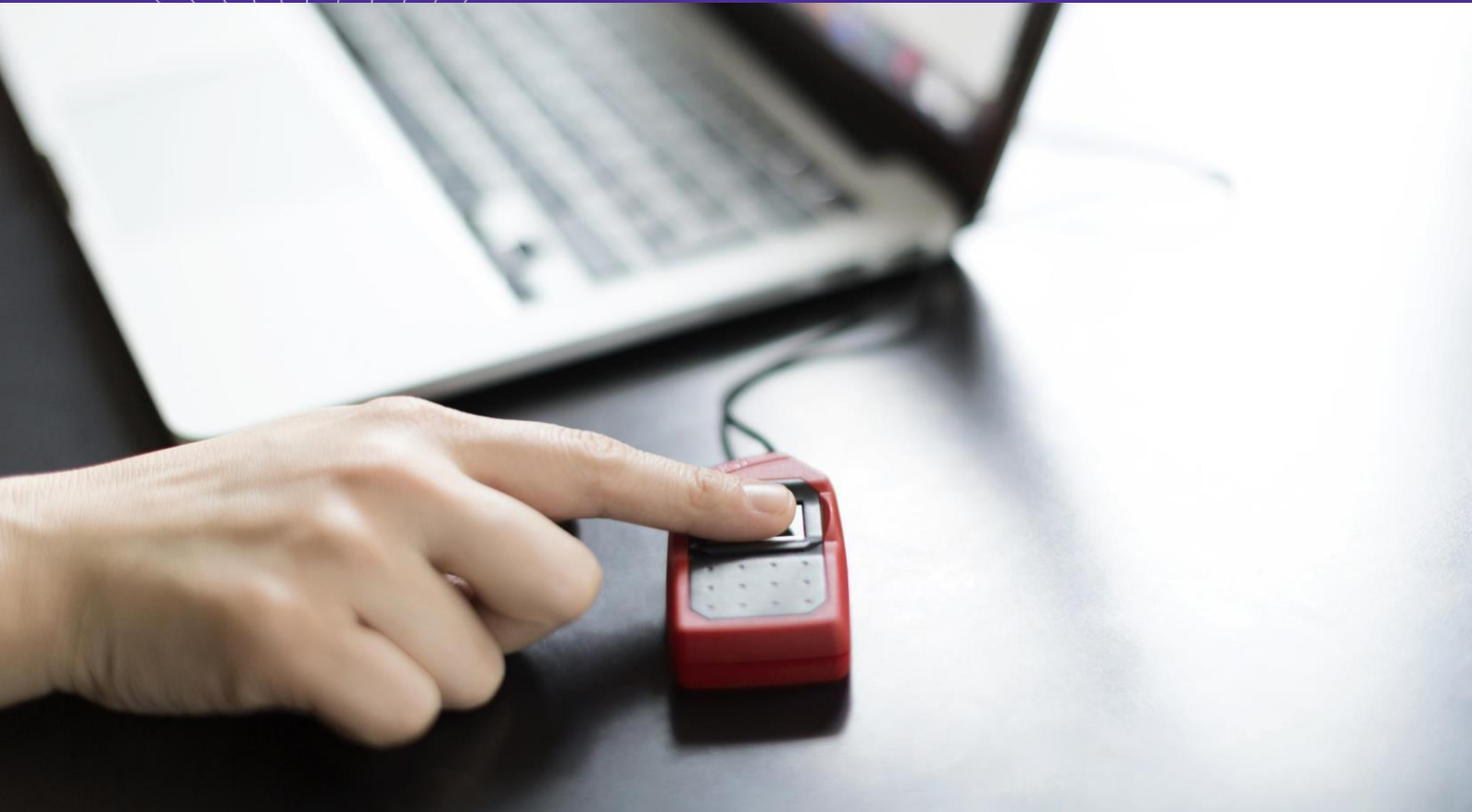


MSO 1300 E3 RD L1

STQC L1 certified USB fingerprint readers for highly secure applications within the UIDAI ecosystem



The MSO 1300 E3 RD L1 is a **high-end optical fingerprint USB reader**, 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. The device was **STQC certified as Registered Devices L1** and therefore **can be used in the UIDAI ecosystem**.

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

State of the art security features within TEE (Trusted Execution Environment)

High accuracy: embedded FIPS 201 and MINEX compliant algorithms

STQC Registered Device L1 certified

Best biometric performance level for 5000 FRR

Compact & lightweight, manufactured in India

A COMPACT YET POWERFUL READER



- **Very compact and lightweight** : only 69 x 40 x 15mm / 40g
- **STQC certification** : best biometric performance level for 5000 FRR
- **Excellent fingerprint capture and processing performance** thanks to its FAP10 fingerprint optical sensor (22x14mm, 256x400pxl, 500 dpi, 256 grey levels)
 - Authentication < 0.7 sec / Identification < 0.9 sec in 1:1000 mode
 - Top grade solution to register young or elderly people, manual laborers (mining, textile, etc.)
- Signing and encryption of biometric is implemented within a **Trusted Execution Environment (TEE)**
- **Hardware security** includes secure boot, chip traceability and factory process certification
- **Accurate:** the false acceptance rate (FAR) is configurable down to 10⁻⁸ - depending on the security requirements - and maintained regardless of number of users in database
- **Template & image formats:**
 - FMR & FIR as per UIDAI specification
- **Overall performance certified at the highest levels:**
 - STQC
 - FBI PIV IQS (image quality)
 - MINEX compliant algorithms
 - FIPS 201



USER CONVENIENCE

- USB cable length 70, 100 or 200cm
- USB cable connectors (options), USB-A, USB-C, microUSB for easy connectivity with all kinds of hardware

SOFTWARE PACKAGES

- RD service and management client running on the host
- Management server : device registration / de-registration, firmware update, key management with HSM

MSO 1300 E3 RD		
Interface	USB	
hardware	PCH certified	
Security layer	L1 certified	
Manufacturing location	Noida, India	
certifications	FBI PIV IQS	Yes
	MINEX compliant algorithms	Yes
	BIS	Yes
	STQC	L1 certified

