

# STeID MTCOS® IDFLEX

## Easy-to-use solution for identification and authentication



### Flexible native solution for ID documents

STeID MTCOS® IDFlex is a multi-application smartcard operating system designed for medium security level identification and authentication applications.

Fully interoperable with ICAO-based systems, STeID MTCOS® IDFlex offers a wide range of basic ID applications. To ensure the effective identification of individuals, its large memory enables the storage of a complete set of biometric information—face, finger, iris.

STeID MTCOS® IDFlex is developed with the same design requirements and in the same secure environment as the certified STeID MTCOS® 2.5 solution. It also leverages our state-of-the-art ST31 IC (certified CC EAL 5+ High).

#### KEY FEATURES & BENEFITS

- High performance ST31 IC
- Dual-core 32-bit Arm® SecurCore® SC000™
- Up to 144 Kbyte user data
- ICAO applications complemented by signature, certificates, and PKI authentication

#### KEY APPLICATIONS

- eID
- eDriving license/eVehicule registration
- eHealthcare
- Customized applications

#### STANDARDS

- ICAO Doc 9303, BSI TR-03110
- ISO/IEC 7816
- ISO/IEC 18013-3 (eDL)

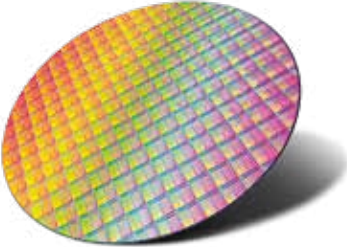



## STeID Family

STeID MTCOS® IDfLEX is part of the STeID family. To offer unparalleled levels of security and performance, the family is based on the ST31 secure microcontroller, which features a dual-core 32-bit Arm® SecurCore® SC000™ (lockstep architecture). Its secure flash memory brings more flexibility to the supply chain and reduces time to market. The family enables long-lasting identity documents (10+ years) thanks to its non-volatile memory endurance (500,000+ cycles) and data retention (25+ years).

## Applications

	eID	eDriving license eVehicule registration	eHealthcare	Customized Application
<b>Compliance</b>	ICAO DOC 9303 BSI TR03110	ISO/IEC 18013		
<b>Built-in features</b>	Basic/Extended access protection Active/Passive authentication		Pin management (PIN/PUK, Trusted PIN) Certificate management Digital signature Card2Card authentication	The MTCOS® features allow the implementation of customized identification and/or authentication of a person/device
	BAC, EAC, SAC/PACE Digital signature Certificate management PIN management			

## Delivery Forms

Wafer	Contactless micromodule	Contact and dual interface 8-pin and 6-pin micromodules	
		 8-pin	 6-pin

## About MTCOS and Masktech GmbH

STeID MTCOS® has been developed in close cooperation with Masktech GmbH. The solution leverages the ST31 secure microcontroller family combined with an optimized implementation of the MTCOS software. MTCOS® is a registered trademark of Masktech GmbH. Masktech is an independent German supplier for highest security embedded chipsets, operating systems for electronic identification cards, travel documents and authentication solutions. The company supplies more than 30 major passport manufacturers and system integrators and holds a leading position in all its primary product categories. The MTCOS solutions are used in more than 65 countries worldwide.



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