

ALL-IN-ONE CONTACT+CONTACTLESS SMARTCARD READER WITH FINGERPRINT SCANNER



Pro-Active **HeavyFinger** is the next-generation all-in-one reader, featuring in an attractive design a complete security suite for authentication or card issuance :

- ✓ 1 traditional contact smart card reader/writer,
- ✓ 2 μ SIM/SAM couplers
- ✓ Pro-Active's versatile contactless reader/writer
- ✓ Sagem MorphoSmart CBM biometric sensor

HeavyFinger's integrated biometric sensor is ideal for a broad range of enrolment, authentication and identification application.

In PC/SC mode, **HeavyFinger** is compliant with CCID specifications, thus can be operated from common Oses using default drivers. **HeavyFinger** brings immediate contactless card support to existing PC/SC applications.

On the other hand, **HeavyFinger** legacy is 100% compatible with earlier products from Pro-Active and allows a smooth migration without changing anything in existing software.

The 2 μ SIM/SAM couplers of **HeavyFinger** are suitable to secure or authenticate contact or contactless transactions.

ORDER CODES


Part #	Fingerprints	Contactless	Contact	2 μ SIM/SAM
CSB-HY80	■	■	■	■
CSB-HY60	■	■	■	

USB INFORMATION

HeavyFinger integrates a USB hub. It is seen by the computer as if there were 2 separate devices :

- Sagem MorphoSmart™ CBM
- Pro-Active CSB6 CCID or Legacy

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PRE-RELEASE DRAFT ALL SPECIFICATIONS SUBJECT TO CHANGE		TECHNICAL DATASHEET		Page 1/2
	Pro Active Parc Gutenberg 13 voie La Cardon 91120 Palaiseau France	Phone : +33 1 64 53 20 10 Fax : +33 1 64 53 20 18 e-mail : info@pro-active.fr website : www.pro-active.fr	S.A.S. au capital de 227 000 € R.C.S. EVRY B 429 665 482 N.A.F. 722 C VAT # : FR 27 429 665 482	

ALL-IN-ONE CONTACT+CONTACTLESS SMARTCARD READER WITH FINGERPRINT SCANNER**SPECIFICATIONS – SAGEM MORPHOSMART™ CBM FINGERPRINT DEVICE**

Sensor	USB interface and drivers				
<ul style="list-style-type: none"> Thin optical sensor 500 dpi, 8 bits per pixel Active area : 14 x 22 mm 	<table border="1"> <tr> <td>Standard</td> <td>USB 2.0 full speed (12Mbps)</td> </tr> <tr> <td colspan="2">Drivers for Windows ; supported as a virtual comm. port under most other OS.</td> </tr> </table>	Standard	USB 2.0 full speed (12Mbps)	Drivers for Windows ; supported as a virtual comm. port under most other OS.	
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Biometric features	Software				
<ul style="list-style-type: none"> 1:1 and 1:N search Up to 1000 templates in internal database Verification time < 0,8s Identification time < 1s Tunable false acceptance rate 	<ul style="list-style-type: none"> Compatible with Morpho™ Host Interface protocol Compatible with MorphoSmart™ SDK BIOAPI software suite <p>MORPHO and SAGEM are registered trademarks of SAGEM SA.</p>				

SPECIFICATIONS – CONTACTLESS & CONTACT SMARTCARD READERS

Contactless smartcard interface	USB interface																				
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² Not available in all versions**SPECIFICATIONS – GENERAL**

Hardware specifications	Environment and safety																										
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