



ypsID SmartReader & ypsID Bioreader

Smart devices for Strong Authentication & digital Signature

ypsiD SmartReader

Contact & contactless smart card readers

As part of its logical access control solutions, Sagem Orga provides a range of high-performance smart card readers: ypsiD SmartReader. To adapt to every company's needs, the ypsiD SmartReader line includes three readers with different characteristics.

ypsiD SmartReader Desktop

is an efficient smart card reader for desktop use with multiple base mounting options and a robust housing. It is an easy-to-install USB device suited for all contact smart card operations including online banking and digital signature applications.



ypsiD SmartReader Dual

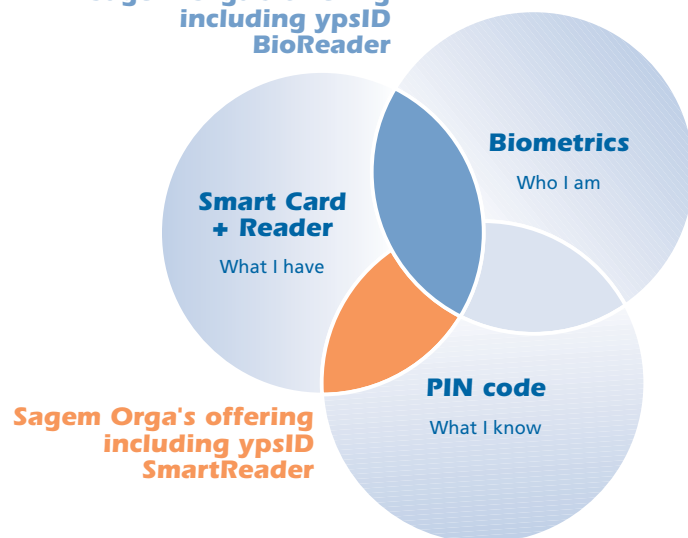
is a dual interface PC-linked reader that reads and writes to both a 13.56 MHz contactless smart card and virtually any contact smart card. The dual interface feature economically supports end-user environments where both contactless and contact smart card technology may be in use.



ypsiD SmartReader PCMCIA

has been especially created for mobile use. It is an easy-to-install PCMCIA device which makes it the preferred solution for the integration into notebooks, PDA's or other PCBus based systems.

Sagem Orga's offering including ypsiD BioReader



Powerful and ergonomic 2- or 3-factor authentication

Nowadays, the more authentication factors you have, the more secure your personal data is. Sagem Orga takes care of this issue and offers two ranges of readers adapted to the needs of all kinds of companies. ypsiD SmartReaders allow two-factor authentication by combining smart card reading with PIN code entry.

ypsiD BioReaders are multifactor authentication peripherals using fingerprint and smart card technologies. They have been specially designed to address the needs of logical access control to highly secured computer applications, in industrial, corporate or governmental environments. They allow enrollment, authentication and identification. These two ranges are, of course, provided with Sagem ypsiD middleware.

Multi-application fingerprint sensor

The ypsID BioReader range builds on Sagem's 25 years of experience in the fields of electro-optics and forensic-quality fingerprint processing algorithms.

The ypsID BioReaders are smart, user-friendly sensors that guide the user during enrollment. Its fast embedded processor provides rapid finger image capture and analysis, allowing instant recognition to the workstation. The large plate surface design allows effortless one-touch logon, as finger displacements and de-alignment are easily coped with.



ypsID BioReader 351

ypsID BioReader 351 and 350

are high-end biometric smart card readers. They have excellent fingerprint capture and processing performance with the largest sensor on the market (23 x 23mm). ypsID BioReader 351 has the highest security level by enabling detection of a fake finger.



ypsID BioReader 1350

ypsID BioReader

Sagem Orga also offers **ypsID Bioreader 1300** for companies that need more mobile authentication devices and want a secure solution with biometrics. ypsID Bioreader 1300 has the same functionalities as ypsID BioReader 1350 except that it does not have an integrated smart card reader.



ypsID BioReader 1300

Match-on-card authentication

Biometric authentication is a three-step operation: the live fingerprint image is captured from the sensor, analyzed and sent to the card, then compared within the smart card security chip with the reference fingerprint. Sagem Orga has developed – together with Sagem Sécurité – one of the best match-on-card (MoC) algorithms to provide organizations with BioReader, the best balance between ergonomics and security in biometric logical access control. Onboard matching means the user's biometric reference data will not leave the smart card, allowing large biometric deployment to match the strictest privacy requirements.

The strength of Sagem Orga: Direct-to-card authentication

Sagem Orga goes even farther by offering direct-to-card technology. Direct-to-card reinforces the safety of personal information brought by match-on-card by transferring captured fingerprints in a secure – encrypted – way, directly from ypsID BioReader to the smart card and without going through the computer. Data never travels past the physical boundaries of the reader.

ypsID BioReader 1350

is a flexible, ergonomic and cost-effective solution for the fast and secure processing of quality fingerprint images with match-on-card functions that guarantee the faultless protection of information. It is based on a fast and cost-effective optical sensor (14x22mm).

Our Product Range

Range	ypsid SmartReader Contact & contactless smart card reader			ypsid BioReader Multi application fingerprint sensor			
Picture							
Product name	ypsid SmartReader Desktop	ypsid SmartReader PCMCIA	ypsid SmartReader Dual	ypsid BioReader 351	ypsid BioReader 350	ypsid BioReader 1350	ypsid BioReader 1300
Host material	Desktop	Laptop	Desktop / Laptop	Desktop	Desktop	Desktop / Laptop	Laptop
Host interface	USB 2.0 (compliant with USB 1.1)	PCMCIA	USB 2.0 (compliant with USB 1.1)	USB 1.1 (compliant with USB 2.0)	USB 1.1 (compliant with USB 2.0)	USB 1.1 (compliant with USB 2.0)	USB 1.1 (compliant with USB 2.0)
Certification / Compliance	ISO 7816 EMV 2000 level 1 Microsoft WHQL HBCI CCID GSA FIPS201	ISO 7816 EMV 2000 level 1 Microsoft WHQL HBCI GSA FIPS201	ISO 7816 EMV 2000 level 1 Microsoft WHQL HBCI CCID (contact interface only) GSA FIPS201	ISO 7816 BSI FBI's PIV-IQS CCID GSA FIPS 201	ISO 7816 BSI FBI's PIV-IQS CCID GSA FIPS 201	ISO 7816 BSI FBI's PIV-IQS opt. CCID GSA FIPS 201	BSI FBI's PIV-IQS opt. CCID GSA FIPS 201
Safety / Environmental	CE, FCC WEEE VCCI MIC UL RoHS	CE, FCC WEEE VCCI MIC UL RoHS	CE, FCC WEEE VCCI UL RoHS	CE, FCC 15 WEEE RoHS	CE, FCC 15 WEEE RoHS	CE, FCC 15 WEEE RoHS	CE, FCC 15 WEEE RoHS
Smart Card interface speeds	Up to 420 Kbps	Up to 420 Kbps	Up to 420 Kbps (with RFID)	Up to 420 Kbps	Up to 420 Kbps	Up to 420 Kbps	
Operating system compliance	Windows 2000 / XP / 2003 / Vista			Windows 2000 / XP / 2003 / Vista			
Biometrics				✓	✓	✓	✓
Optical sensor size				23 x 23 mm	23 x 23 mm	14 x 22 mm	14 x 22 mm
dimensions (LxWxH) & Weight	80 x 67 x 28 mm Approx. 110 gr	85 x 54 x 5 mm Approx. 60 gr	115 x 96,5 x 25,5 mm Approx. 160 gr	90 x 75 x 55 mm Approx. 400 gr	90 x 75 x 55 mm Approx. 400 gr	53,7 x 33,7 x 13,5 mm Approx. 180 gr	67 x 37 x 15 mm Approx. 50 gr

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