

SmartTOUCH™ SB10 and SBK10 Readers

ISO 14443 reader and fingerprint verification

- ▶ Custom Configurations – Completely configurable for every access control application challenge.
- ▶ Open Architecture Design – ISO 14443A MIFARE®/DESFire® contactless smart card, compatible for broad card interoperability.
- ▶ Ideal for High Security Applications – Secure rooms and payment applications; for electronic time & attendance, the SmartTOUCH™ makes “buddy punching” impossible.



ACCESS flexibility

SmartTOUCH™ is a flexible, highly secure and stylish contactless smart card reader ideal for customers that require a customizable reader for new or existing installations. Designed for a wide variety of applications from entry level access control to secure ID management. Its unique capabilities, such as reading any MIFARE® sector and/or DESFire® application data file, meet all installation requirements.

SmartTOUCH™ not only verifies the validity of a MIFARE or DESFire card, it also verifies that the person who presents the card is its rightful owner. A scan of the fingerprint of the cardholder is stored on the secure part of the card. Only when there is a match between the finger scanned and the template stored on the card, the card data is transmitted. With the addition of PIN, the SmartTOUCH™ offers a triple level of security.

For decentralized processing and verification, biometric data is kept outside a database and stored in an encrypted format on the card. Thus, the verification takes place in a totally independent system, allowing for fast and secure verification and eliminating privacy concerns.

Every SmartTOUCH™ can be used as an enrollment station. For programming, every SmartTOUCH™ is supplied with a unique enroll-and-erase card.

SmartTOUCH™ readers offer one of the broadest ranges of card compatibility in the industry and can be configured as a specific solution for each project. The SmartTOUCH™ reader is available with or without PIN pad, adding an extra layer of protection for higher security installations.

- ▶ Configuration cards can further personalize reader configurations to best match installation requirements.
- ▶ Wiegand, Clock-and-Data, RS232, RS485 or RS422 outputs easily interface with existing access control panels
- ▶ Retrofit existing readers with SmartTOUCH™ to simply and instantly add two or three-level authentication.

* Base Model Numbers	<p>SB10 800-8050 MIFARE® 800-8052 DESFire®</p> <p>SBK10 800-8055 MIFARE 800-8057 DESFire</p>
Dimensions	7.58" x 1.99" x 1.69" (19.25 x 5.05 x 4.3 cm)
Read Range	MIFARE Card: Up to 1.18" (3 cm). Dependent upon installation conditions
Mounting	Ideally suited for mullion-mounted door installations, or any flat surface (Reader will not cover junction box). Optional single-gang electrical box mounting plate available.
Power Supply	8 – 24 VDC regulated
Power Consumption	Average: 2.5 Watt Peak: 5.0 Watt
Operating Temperature	32°F – 140°F (0°C – 60°C)
Operating Humidity	30 – 80% non-condensing
Transmit Frequency	13.56 MHz
Applications	MIFARE (Sector), DESFire
Reader Outputs	Wiegand, Clock-and-Data, ISO7811 Clock-and-Data ABA Track 2 Emulation, RS232, RS485, RS422 or custom format output
Cable Distance	Wiegand/Clock-and-Data Interface 500 ft (150 m) (22AWG), RS232 50 ft (15 m), RS485/RS422 4000 ft (1220 m)
Card Compatibility	ISO 14443A MIFARE/DESFire
Certifications	FCC Certification, CE Mark (EU), Australia C-Tick, New Zealand, RoHS Compliant
Housing	SB TSG Polymers
Color	Silver
Accessories	500-8095 Single-gang electrical box mounting plate
Termination	Terminal Strip
Fingerprint sensor type	CMOS
Fingerprint Sensor Size	0.51" x 0.51" (1.3 x 1.3 cm)
Fingerprint Sensor Array	5.04" x 5.04" (12.8 x 12.8 cm)
Fingerprint Sensor Resolution	250 dpi
Fingerprint Algorithm EER	0.1%
Fingerprint Template Size	< 350 bytes
Max. Finger Rotation	+/- 12°
Max. Finger Displacement	+/- 0.2" (0.5 cm)
Warranty	Warrantied against defects in materials and workmanship for 1 year. (See complete warranty policy for details.)

* Additional custom configuration format is required to accompany all reader orders. Contact customer service for more information. All readers are read only.

© 2008 HID Global. All rights reserved. HID, the HID logo, and iCLASS are trademarks or registered trademarks of HID Global in the U.S. and/or other countries. All other trademarks, service marks, and product or service names are trademarks or registered trademarks of their respective owners. Rev. 3/11/08 MKT_SmartTOUCH_DS_EN



ACCESS experience.

hidglobal.com

HID Global Offices:

Corporate North America
9292 Jeronimo Road
Irvine, CA 92618-1905
U.S.A.
Phone: 800 237 7769
Phone: 949 598 1600
Fax: 949 598 1690

Asia Pacific
19/F 625 King's Road
North Point
Island East
Hong Kong
Phone: +852 3160 9800
Fax: +852 3160 4809

Latin America
Circunvalacion Ote. #201 B
Despacho 2
Col. Jardines del Moral
Leon 37160, Gto.
Mexico
Phone: +52 477 779 1492
Fax: +52 477 779 1493

Europe, Middle East & Africa
Homefield Road
Haverhill, Suffolk
CB9 8QP
England
Phone: +44 (0) 1440 714 850
Fax: +44 (0) 1440 714 840