

# Sentry Biometric Fingerprint Swipe Readers



The Mifare® Fingerprint readers are small, elegant, accurate, swift, and cost effective; they provide a high level of security and preserve users' privacy.

The reader scans biometric data stored in a specific protected sector within a Mifare® smartcard, it then compares the data with a swiped finger and, once if verified, sends the card ID to a connected controller. This reader is compatible with most common Wiegand and Clock & Data formats, and can replace existing readers to save installation and migration costs.

Configuration and user cards are created using the Smart Card programmer (CP-R25) and The BioTrax Software. These products have the capability of being customized for most major projects.

Main Features	Advanced Features
<ul style="list-style-type: none"> <li>Advanced, secure, multi-application functionality for intelligent installations</li> <li>Unlimited number of users</li> <li>Unique and reliable Match-on-Card Technology</li> <li>Designed for indoor use (swipe sensor protection required for outdoor use)</li> <li>Easy to deploy in the field with the configuration card (Master Card) for secure sector reading of data from the sectors</li> <li>Configurable multi-output format, supports Wiegand 26-bit format and many more</li> <li>Compatible with CP-R25 USB Desktop Card Programmer and fingerprint enrolment</li> <li>PC Software for Master and User cards configuration (AS-B01)</li> </ul>	<ul style="list-style-type: none"> <li>Reads Mifare® ISO14443 Type A, Standard cards</li> <li>Optical tamper sensor for case and wall tamper detection</li> <li>Fully compatible with Mifare® 1K and 4K credentials:                             <ul style="list-style-type: none"> <li>AT-T512 (1K ISO Card)</li> <li>AT-T513 (4K ISO Card)</li> <li>AT-T515 (1K tag)</li> </ul> </li> <li>Configuration card allows setting of:                             <ul style="list-style-type: none"> <li>Format</li> <li>Input control</li> <li>Lockout parameters</li> <li>Secret Keys (KeyA)</li> </ul> </li> </ul>

The units come in various, unique compact designs:



For more information on any of our products or services please

visit us on the Web at:

[www.sentry-resellers.com](http://www.sentry-resellers.com)

or

[www.cctvsentry.com](http://www.cctvsentry.com)

# Sentry Biometric Fingerprint Swipe Readers

ELECTRICAL SPECIFICATIONS	AY-B1663	AY-B3663	AY-B4663
Operating Voltage Range	6-16 VDC		
Standby Input Current	85mA		
Maximum Input Current	513mA		
Tamper Output	Open collector, active low, max sink current 32mA		
SENSOR SPECIFICATIONS			
Array Size	192 x 4 pixels		
Pixel Pitch	50 microns		
Image Resolution	508 DPI		
OPERATIONAL SPECIFICATIONS			
Inputs	Programmable LED/Buzzer control Input, N.O, Dry Contact		
Indicators	Three blue LED indicators		
Output Format	Wiegand 26-bit, Wiegand 32-bit, Wiegand 34-bit, Wiegand 40-bit and Clock & Data		
Built-In Proximity Reader	Operating Frequency: 13.56 MHz		
Compatible Cards	Mifare® Compatible ISO-14443A		
Max. Proximity Read Range	1.57 in (40 mm)		
ENVIRONMENTAL SPECIFICATIONS			
Operating Temperature	-13°F to 140°F (-25°C to 60°C)		
Operating Humidity	5% to 90% (Non-Condensing)		
MECHANICAL SPECIFICATIONS			
Dimensions: H x W x D	2.76 x 2.13 x 1.54 in	3.31 x 2.13 x 0.82 in	3.36 x 1.99 x 1.06 in
Weight	0.18 lbs (81.5 g)	0.23 lbs (106 g)	0.21 lbs (94.5 g)

## System Components:

The Mifare® Fingerprint Match-on-Card (MOC) Readers are compatible with the CP-R25 USB Desktop card programmer and its associated BioTrax software. The readers are also compatible with controllers (e.g. AC-225) as well as with various third party systems.



AC-225



CP-R25



AT-T515

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