

# Entrust IdentityGuard Biometrics

## Fingerprint Authentication for Microsoft<sup>®</sup> Windows<sup>®</sup> Logon

From law enforcement to financial institutions, today's organizations require the ability to properly authenticate individuals accessing secure networks to protect from the theft or altering of sensitive information.

Entrust IdentityGuard fingerprint-based biometric authentication combines the security and usability required by police, EMS, healthcare workers and others who need quick access to online resources.



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THIS DATA SHEET

### Simple End-User Authentication

A user's fingerprint is one of the strongest authenticators available. Never lost during a commute or forgotten at home, fingerprint authentication introduces a new plateau of convenience for fast, secure access to workstations, laptops, desktops and more.

► [entrust.com/identityguard](http://entrust.com/identityguard)

### Total Flexibility

Outdated password security, particularly when used as a single-factor authentication approach, can be easily circumvented by nefarious criminal groups. Entrust IdentityGuard offers a full range of authentication choices to ensure administrators can deploy an alternative authenticator where fingerprint authentication may be not be an ideal choice. All users, regardless of authenticator, are managed from a common administrative console.

### Powered by 3M Cogent

3M Cogent provides the highest-quality fingerprint authentication technology to government, border services and security-conscious organizations across the globe. Entrust has partnered with 3M Cogent to integrate its world-class fingerprint enrollment and verification technology into the Entrust IdentityGuard software authentication platform.

► [cogentsystems.com](http://cogentsystems.com)

### Platform Integration

Entrust IdentityGuard is an award-winning software authentication platform that helps financial institutions, governments and enterprises issue, manage and authenticate identities to safeguard physical, logical, mobile and cloud access. The solution integrates with today's leading mobile platforms and is extensible for future requirements.

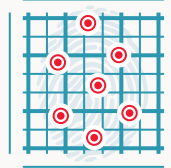
### Solution Benefits

- Ensures fast enrollment and verification of fingerprint-based user identities while protecting the user and information being accessed
- Protects sensitive information
- Secures storage of fingerprint data
- Provides online or offline access
- Scaled for both physical and logical access control
- Powered by Entrust IdentityGuard software authentication platform
- Offers centralized or self-service-based enrollment
- Integrates biometric authentication technology from Entrust partner 3M Cogent

## Protecting Biometric Data

Veterans of the security field, Entrust and 3M Cogent take the protection of sensitive data and digital identities seriously. Actual biometric data images are never left unprotected. Mathematical representation of unique attributes of the fingerprints are stored and encrypted to prevent theft, tampering or other malicious activities.

The encrypted mathematical representation — sometimes known as a hash — is compared to the actual fingerprint provided at the time of authentication. This stored information cannot be reverse-engineered, ensuring the protection of personally identifiable information (PII).



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0101000001110010
0110111101110100
0110010101100011
0111010001100101
0110010000100000
0100010001100001
0111010001100001
```

FINGERPRINT AUTHENTICATION

PROTECTING BIOMETRIC DATA

## Entrust IdentityGuard

The Entrust IdentityGuard software authentication platform provides more than a simple one-step means of protecting the world's largest and most respected enterprises, governments and financial institutions. Offering the widest range of authenticators on the market, the platform enables identity-based security to safeguard access to sensitive information and intellectual property for employees, partners and customers.

Solve challenges related to specific use cases, such as physical and logical access, or mobile security. Capitalize on mobile and smartcard technology to add additional security measures to a given environment.

Entrust's diverse set of authentication capabilities include smartcards and USB tokens, soft tokens, grid cards and eGrids, IP-geolocation, questions and answers, mobile smart credentials, out-of-band one-time passcode (delivered via voice, SMS or email), out-of-band transaction verification, biometrics and a range of one-time-passcode tokens.

### Technical Specifications

Entrust IdentityGuard	Operating Systems	Supported Fingerprint Readers
Version 10.2 or Later	Microsoft® Windows® 7 & 8	3M CSD200i

A trusted provider of identity-based security solutions, Entrust secures governments, enterprises and financial institutions in more than 5,000 organizations spanning 85 countries.

Entrust's award-winning software authentication platforms manage today's most secure identity credentials, addressing customer pain points for cloud and mobile security, physical and logical access, citizen eID initiatives, certificate management and SSL.

For more information about Entrust products and services, call **888-690-2424**, email [entrust@entrust.com](mailto:entrust@entrust.com) or visit [www.entrust.com](http://www.entrust.com).

### Company Facts

Website: [www.entrust.com](http://www.entrust.com)  
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Customers: 5,000  
Offices: 10 globally

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