

# Hamster IV

## Optical Fingerprint Scanner



### Description

The SecuGen Hamster IV is a versatile USB fingerprint reader. SecuGen Hamsters are the industry's most accurate, rugged, and affordable USB fingerprint readers. These high-performance, versatile readers feature advanced optical sensors engineered with patented SEIR™ technology to provide you the highest quality in fingerprint biometrics.

This FBI Certified scanner uses Auto-On™, an Automatic Finger Placement Detection technology that automatically checks for the presence of a finger. When used with Auto-On-compatible software, the Hamster IV will turn on and scan your finger as soon as you touch the sensor - all without having to prompt the system.



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### Features and Benefits

- Reduced password reset breaches, and improved accountability, all in a convenient and intuitive method for almost any user
- Easy to install and use with software applications requiring fingerprint authentication that lets your fingerprints act like digital passwords that cannot be lost, forgotten or stolen
- Consistent performance and security for a growing number of applications, with support for a wide range of operating systems, computing environments, and U.S. and international biometric standards
- Backed by the industry's best quality guarantee and over a decade of field use and proven performance under extreme conditions. This helps avoid the cost and inconvenience of replacing damaged units made by other sensor manufacturers
- Accurate patented optical USB fingerprint sensor with 508 dpi resolution
- Integrated finger guide and removable, weighted stand
- Hardened optical glass platen that is scratch, impact, corrosion and electrostatic shock resistant
- Compact and ergonomic design works with any finger or thumb

### Target Applications

- Computer, network, or internet security
- Bank and financial systems
- Medical information systems
- Labor and attendance tracking
- Any password-based application

For any biometric scanner to capture and/or match, biometric software is mandatory - and does not ship with the scanner. Please contact [sales@fulcrumbiometrics.com](mailto:sales@fulcrumbiometrics.com) or call +1 (210) 257-5615 #1 to ensure you are compiling the best solution for your needs.

## Technical Specifications

Physical	Dimensions (W x L x H): 27 x 40 x 73 mm (without stand), 53 x 73 x 84 mm (with stand) Weight: 100 g (without stand), 165 g (with stand) Cable Length: 1500 mm Operating Temperature: -20 °C ~ 65 °C Operating Humidity: 90% or less RH, noncondensing
Fingerprint Sensor	Optic Module: SDU04P, FDU04 Image Resolution: 508 DPI Image Size: 258 x 336 pixels Platen Size: 16.1 mm x 18.2 mm Effective Sensing Area: 12.9 mm x 16.8 mm Image Grayscale: 256 levels (8-bit) Light Source/Typical Lifetime: LED/60,000 hours Fingerprint Capture Speed: 0.2~0.8 sec with Smart Capture (HSDU04P), 0.4~1.2 sec with Smart Capture (HFDU04)
PC Requirements	Windows 8.1, 8, 7, Vista, XP, 2000, Windows Server 2012, 2008 R2, 2003 Android (HSD-U04P only), Java, Linux
Certifications	FCC, CE, RoHS, FBI PIV Single Finger, STQC
Standards/Compliance	ANSI INCITS 378, BioAPI, FIPS 201, ISO/IEC 19794-2, ISO/IEC 19794-4
Compatibility	<u>Fulcrum Biometrics Framework (FbF®)</u> , VeriFinger SDK, MegaMatcher SDK

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