Hamster[™] Pro 20 Hamster[™] Pro

SecuGen

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 technology to give you the highest quality in fingerprint biometrics.

Maintenance-Free

Accurate Durable

Features

- Accurate, patented optical USB fingerprint sensor with 500 DPI resolution
- Auto-On[™] automatic finger detection and Smart Capture[™] for quality scanning of dry, moist, aged, scarred, and difficult-to-scan fingers
- Scratch, impact, corrosion, and electrostatic shock resistant glass platen
- Ultra compact, low profile design
- Fake Finger Rejection for enhanced security (Hamster Pro 20 only)*
- IP65 certified for dust and water-resistance (Hamster Pro 20 only)
- Supports SecuGen, MINEX Certified, and third party algorithms
- Supports international and U.S. biometric standards



Cost-Effective

Hamster Pro



Hamster Pro 20 FBI Certified STQC Certified

Benefits

- Improved security with convenience and reduced password reset requests because fingerprints act like digital passwords that cannot be lost, forgotten or stolen
- · Improved accountability by allowing users to quickly and easily prove their identities with their fingerprints
- Reliable and consistent performance for an ever-increasing number of applications designed for mobile, desktop, network, enterprise, and Internet environments

The Highest Quality in Fingerprint Biometrics at Affordable Prices

Accurate

SecuGen sensors are very accurate thanks to an ultracompact, patented optic design that produces high quality images for greater precision, less false rejections/false acceptances, and better overall performance compared to competing fingerprint sensors.

Durable

With a virtually indestructible sensor prism, the SecuGen sensor is extremely rugged. SecuGen sensors are designed to be strong for dependable and consistent scanning even outdoors and under harsh or high traffic environments.

Maintenance-free

Unlike semiconductor-based sensors and other optical sensors, SecuGen sensors are made with hardened glass that needs no coatings or special protection. SecuGen sensors resist scratches, ESD, corrosion, and other stresses and can be easily wiped clean without fear of damage.

Cost-effective

SecuGen designs, develops, and manufactures its own fingerprint sensors that are built to last and deliver solid performance for years, making SecuGen sensors the most cost effective choice.

Typical Applications

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

Free SDKs

With a variety of free Software Development Kits to choose from, SecuGen readers are easy to integrate into almost any kind of application.

Request a free SDK at <u>www.secugen.com</u> today!

* Fake Finger Rejection currently supported on Windows only; support for Android and Linux coming soon.

Specifications

Product Name

Model

Fingerprint Sensor Image Resolution Image Size Platen Size Effective Sensing Area Image Gray Scale Light Source / Lifetime Smart Capture Speed Biometric Standards

Dimensions Weight Cable Length Operating Temperature Operating Humidity USB Interface Supply Voltage Max Current Dust/Water Resistance

Compliance Warranty Supported OS

Hamster Pro

HUPx

- SecuGen UPx 500 DPI 260 x 300 pixels 18.2 mm x 22.9 mm 13.2 mm x 15.2 mm 256 levels (8-bit) LED / 60,000 hours 0.2 ~ 0.5 seconds INCITS 378, ISO/IEC 19794-2, 9794-4
- 53.9 x 58.5 x 31.6 mm 98 g 1500 mm -20° ~ 65° C 90% noncondensing, max 1.1 Full, 2.0 Hi-Speed 5 V DC (via USB) 120 mA
- FCC, CE, KCC, RoHS One year limited Windows 10, 8.1, 8, 7 Windows Server 2012, 2008 R2 Android 3.1+, Java, Linux

Hamster Pro 20

HU20

SecuGen U20 500 DPI 300 x 400 pixels 18.2 mm x 22.9 mm 15.2 mm x 20.3 mm 256 levels (8-bit) LED / 60,000 hours 0.2 ~ 0.5 seconds FIPS 201, FBI PIV & Mobile ID FAP 20, INCITS 378, ISO/IEC 19794-2, 19794-4

53.9 x 58.5 x 31.6 mm 98 g 1500 mm -20° ~ 65° C 90% noncondensing, max 1.1 Full, 2.0 Hi-Speed 5 V DC (via USB) 150 mA IP65 Certified

FCC, CE, KCC, RoHS, FIPS 201, STQC One year limited Windows 10, 8.1, 8, 7 Windows Server 2012, 2008 R2 Android 3.1+, Java, Linux





What's Inside a Hamster Pro?

At the heart of all Hamster Pro readers are SecuGen's newest ultra-compact fingerprint sensors with advanced features including:

Auto-On[™] automatically detects the presence of a finger when placed on the reader for quick and easy authentication

- Smart Capture[™] captures high quality fingerprints from dry, moist, aged, scarred and difficult-to-scan fingers for greater accuracy and reliability
- High durability and ruggedness with proven resistance to electrostatic shock, impact, drops, scratches, extreme temperatures, humidity, and contaminants such as sweat, dirt, and oil
- Patented optical technologies for clear, accurate imaging with high contrast, high signal-to-noise ratio and low distortion
- Reliable performance even under challenging conditions and tough environments
- **Rejection of false fingerprints** such as latent prints and 2-D images
- Fingerprint data protection with templates that cannot be used to reconstruct fingerprint images
- **Greater sensor-to-sensor consistency** for high accuracy when matching fingerprints enrolled with different fingerprint readers at different locations



Founded in 1998, SecuGen is a leading provider of advanced optical fingerprint recognition technology for physical and information security. Our high quality biometric sensors have been used all around the world in diverse areas such as government, finance, health care, law enforcement, education, retail, manufacturing, and transportation. www.secugen.com

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