Hamster™ Pro 30

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.

Accurate   Durable   Maintenance-Free   Cost-Effective

Features

FBI Certified

- 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
- Compact, ergonomic design
- IP54 certified for dust and water-resistance
- FBI Certified for FIPS 201 (PIV) and Mobile ID FAP 30
- Supports SecuGen, MINEX Certified, and third party algorithms
- Supports international and U.S. biometric standards

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 a patented optic design that produces high quality images for greater precision, fewer false rejections and 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 and dependable for consistent scanning all the time, whether outdoors, under harsh conditions, or in 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 **secugen.com** today!

Product Name	Hamster Pro 30
Model	HU30
Fingerprint Sensor	U30
Image Resolution	500 DPI
Image Size	400 x 500 pixels
Platen Size	22.4 mm x 28.0 mm
Effective Sensing Area	20.32 mm x 25.4 mm
Image Gray Scale	256 levels (8-bit)
Light Source	LED
Smart Capture Speed	0.2 ~ 0.5 seconds
Features (when used with SecuGen Pro SDKs)	Auto-On, Smart Capture, 360 Degree Fingerprint Rotation
Biometric Standards/Specs	INCITS 378, ISO/IEC 19794-2, 19794-4, FIPS 201, FBI PIV & Mobile ID FAP 30, NIST MINEX, WSQ
Dimensions	79.0 mm x 54.3 mm x 38.4 mm
Weight	140 g
Cable Length	1500 mm
Operating Temperature	-20º ~ 50ºC
Operating Humidity	90% noncondensing, max
USB Interface	2.0 Hi-Speed
Supply Voltage	5 V DC (via USB)
Max Current	150 mA
Dust/Water Resistance	IP54 Certified
Compliance/Certification	FCC, CE, KC, RoHS3, CB, WEEE, USB 2.0
Warranty	One year limited
Supported OS	Windows 11, 10, 8.1, 8, 7 Windows Server 2022, 2019, 2016, 2012, 2008 R2 Android 3.1+, Linux

What's Inside a Hamster Pro 30?

At the heart of the Hamster Pro 30 reader is SecuGen's compact U30 fingerprint sensor 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

SecuGen

Open the World with Your Fingertip!®

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 finance, health care, law enforcement, education, retail, manufacturing, and government at all levels.

www.secugen.com