

## 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

- 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 slim and compact, low profile design
- IP54 certified for dust and water-resistance
- Supports SecuGen, MINEX Certified, and third party algorithms
- Supports international and U.S. biometric standards



**FBI 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 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 and smartest 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 [www.secugen.com](http://www.secugen.com) today!

# Specifications

<b>Product Name</b>	Hamster Pro 10
<b>Model</b>	HU10
<b>Fingerprint Sensor</b>	SecuGen U10
<b>Image Resolution</b>	500 DPI
<b>Image Size</b>	252 x 330 pixels
<b>Platen Size</b>	15.2 mm x 20.2 mm
<b>Effective Sensing Area</b>	12.8 mm x 16.764 mm
<b>Image Gray Scale</b>	256 levels (8-bit)
<b>Light Source</b>	Green LED
<b>Smart Capture Speed</b>	0.2 ~ 0.5 seconds
<b>Biometric Standards</b>	FIPS 201, FBI PIV & Mobile ID FAP 10, INCITS 378, ISO/IEC 19794-2, 19794-4
<b>Dimensions</b>	54 x 43 x 20 mm
<b>Weight</b>	79 g
<b>Cable Length</b>	1500 mm
<b>Operating Temperature</b>	-20° ~ 65°C
<b>Operating Humidity</b>	<90% noncondensing, max
<b>USB Interface</b>	1.1 Full, 2.0 Hi-Speed
<b>Supply Voltage</b>	5 V DC (via USB)
<b>Max Current</b>	100 mA
<b>Dust/Water Resistance</b>	IP54 Certified
<b>Compliance</b>	FCC, CE, KCC, RoHS, FIPS 201
<b>Warranty</b>	One year limited
<b>Supported OS</b>	Windows 10, Windows Server 2016



## What's Inside a Hamster Pro 10?

At the heart of the Hamster Pro 10 reader is SecuGen's newest ultra-slim U10 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