Features

- Accurate, patented optical USB fingerprint sensor with 500 DPI resolution
- Auto-On™ automatically detects a finger when placed on the reader
- Smart Capture™ works with dry, moist, aged, scarred, and difficult-to-scan fingers
- Scratch, impact, corrosion, and electrostatic shock resistant glass platen
- Compact and ergonomic design with removable stand
- 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, 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.

support@radiumbox.com
www.radiumbox.com

1312, 89 Hemkunt Chambers,
Nehru Place, New Delhi -110 019

+91-84343 84343

Radium

	Hamster Plus	Hamster IV
Product Name	Hamster Plus	Hamster IV
Model	HSDU03P	HSDU04P
Fingerprint Sensor	SecuGen SDU03P	SecuGen SDU04P
Image Resolution	500 DPI	508 DPI
Image Size	260 x 300 pixels	258 x 336 pixels
Platen Size	14.6 mm x 17.9 mm	14.6 mm x 17.9 mm
Effective Sensing Area	13.2 mm x 15.2 mm	12.9 mm x 16.8 mm
Image Gray Scale	256 levels (8-bit)	256 levels (8-bit)
Light Source / Typical Lifetime	LED / 60,000 hours	LED / 60,000 hours
Smart Capture Speed	0.2 ~ 0.5 seconds	0.2 ~ 0.8 seconds
Biometric Standards	INCITS 378, ISO/IEC 19794-2, 9794-4	FIPS 201, FBI PIV, INCITS 378, ISO/IEC 19794-2, 19794-4
Dimensions	53 x 73 x 84 mm (27 x 40 x 73 w/o stand)	53 x 73 x 84 mm (27 x 40 x 73 w/o stand)
Weight	165 g (100 g w/o stand)	165 g (100 g w/o stand)
Cable Length	1500 mm	1500 mm
Operating Temperature	-20º ~ 65ºC	-20º ~ 65ºC
Operating Humidity	90% noncondensing, max	90% noncondensing, max
USB Interface	1.1 Full, 2.0 Hi-Speed	1.1 Full, 2.0 Hi-Speed
Supply Voltage	5 V DC (via USB)	5 V DC (via USB)
Max Consumption	140 mA	150 mA
Compliance	FCC, CE, KCC, RoHS	FCC, CE, KCC, RoHS, FIPS 201
Warranty	One year limited	One year limited
Supported OS	Windows 10, 8.1, 8, 7, Windows CE Windows Server 2012, 2008 R2 Android 3.1+, Java, Linux	Windows 10, 8.1, 8, 7 Windows Server 2012, 2008 R2 Android 3.1+, Java, Linux

What's Inside a Hamster?

At the heart of all Hamster readers are SecuGen's next-generation 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

support@radiumbox.com
www.radiumbox.com

1312, 89 Hemkunt Chambers,
Nehru Place, New Delhi -110 019

+91-84343 84343