

## NEW PRODUCT ANNOUNCEMENT

# SecuGen® Hamster III (USB Model: HFDU02A) and SecuGen® OptiMouse III (USB Model: MFDU02)



### New Features

- New fingerprint sensor core, FDU02
- Higher contrast (due to higher signal-to-noise ratio)
- Greater minutiae extraction capability
- (OptiMouse III) New, more compact and symmetric body

### Same Great Features

- Hamster III
  - Ergonomic Finger Guide
  - Removable weighted stand
  - Very small footprint (w/o stand)
- OptiMouse III
  - Optical tracking/pointer
  - Three programmable buttons and larger scroll wheel
- Electrostatic shock, impact and scratch resistance
- Fast verification speed
- False print checks
  - Rejects latent fingerprints
  - Rejects 2-D fingerprint images (i.e. photocopies)

### Other new capabilities\*

- Multi-Device Support: this allows multiple SecuGen USB devices (FDU02) to be connected to one computer at the same time
- Device Recognition: this uses a unique, internal serial number to identify the FDU02 device

\* For software developers: these capabilities may be integrated into your software applications by using the SDK upgrades, available August 2003.

## Compatibility

The Hamster III and OptiMouse III use the new FDU02 core reader and are compatible with all software previously made for earlier Hamster and OptiMouse models (HFDU01A and MFDU01). However, all FDU02-based products require using updated drivers, which will work with all SecuGen USB devices.

## How to Get Updated Drivers

The updated drivers will be provided on CD and will be shipped with every product. If you are a software developer, you will only need to replace the USB driver files in your driver directory. You may contact [techsupport@secugen.com](mailto:techsupport@secugen.com) to obtain the new files. For added convenience, the SecuGen website also provides up-to-date drivers that can be downloaded and easily installed by customers at any time at <http://www.secugen.com/download>.

## Availability

The new Hamster III will begin shipping on July 1, 2003.  
The new OptiMouse III will begin shipping on July 21, 2003.

## Order Information

Product Name: SecuGen Hamster III (USB)  
Description: USB Hamster, Silver, Stand & Driver CD  
Order Number: EA4-0077F  
Suggested Retail Price: \$119.00 (US)

Product Name: SecuGen OptiMouse III (USB)  
Description: USB OptiMouse, Ivory/Navy Blue, Driver CD  
Order Number: EA4-0079A  
Suggested Retail Price: \$139.00 (US)

You may send your Purchase Orders to [orders@secugen.com](mailto:orders@secugen.com) or by fax at (408) 727-7105.

## Technical Specifications

### Device Specifications

Dimensions (W x L x H)	Hamster III: 1.1" x 1.6" x 2.9" (27 mm x 40 mm x 73 mm) OptiMouse III: 2.5" x 4.7" x 1.5" (63 mm x 120 mm x 39 mm)
Weight	Hamster III: 3.5 oz. (100 g) OptiMouse III: 6 oz. (170 g)
Verification Time	Less than 1 second
Operating Temperature	32° to 104° F (0° to 40° C)
Operating Humidity	< 90% RH, non-condensing
Supply Voltage	4.72 to 5.25 V
Power Consumption (max)	400mW
Current Consumption (standby)	30 mA
Current Consumption (operating)	80 mA
Certification	FCC

### Sensor Specifications

Optic Module	SecuGen® OPP02
Image Resolution	505 DPI ± 2%
Image Size (pixels)	260 x 300
Image Grayscale	256 shades (8-bit gray level)
Distortion (nonlinear)	< 3%
Sensing Area	0.5" x 0.6" (13 mm x 15 mm)
Sensing Prism Hardness	6.8 Mohs
Light Source	Red LED
Lifetime	> 40,000 Hours
Ambient Light Condition	>5,000 Lux