

BAYOMETRIC

The Biometric Solution Provider

Secugen Hamster Plus Fingerprint Scanner



SecuGen Hamster Plus is the improved version of SecuGen's popular and versatile fingerprint reader product line, with Auto-On™ and Smart Capture™. Packaged in a comfortable, ergonomic design, the Hamster Plus features the industry's most rugged and advanced optical sensor using patented SEIR fingerprint biometric technology.

Auto-On™ is an Automatic Finger Placement Detection technology that automatically checks for the presence of a finger.

SALIENT FEATURES

3 years warranty

Auto-on Function

Hardened contact area

CLIENT REVIEW

"Health and fitness centers can be demanding environments for any fingerprint reader to operate in. We selected the SecuGen fingerprint reader for its ruggedness and accuracy. The SecuGen Hamster Plus is more than up to the challenge and works flawlessly to boot." -

Thierry Corniere, VT Virtual Technology -USA

High-quality, rugged, maintenance-free optical fingerprint sensor with ultra-precise 500 DPI resolution

Auto-On automatically turns on sensor when it detects a finger

Smart Capture ensures quality fingerprint scanning of difficult fingers

Hardened fingerprint contact area that's resistant to scratches, impact, corrosion and electrostatic discharge (ESD)

Compact and ergonomically designed to work with any finger or thumb

Removable, weighted stand

Specifications

Dimensions (W x L x H): 27 x 40 x 73 mm (without stand)

Weight: 100 g (without stand)

Operating Temperature: 0 to 40 C

Operating Humidity: < 90% RH, noncondensing

Cable Length: 1800 mm

Certification: FCC, CE, RoHS

Sensor: Optical FDU03FRS

Image Resolution: 500 DPI + 0.2 %

Image Size: 260 x 300 pixels

Platen Size: 16.1 mm x 18.2 mm

Effective Sensing Area: 12.7 mm x 14.9 mm

Image Grayscale: 256 shades (8-bit gray level)

Image Type: Non-lossy

Distortion (nonlinear): < 0.1 %

Sensing Prism Hardness 750 Hk (6.8 Mohs)

Light Source: Red LED

Lifetime (typical): 60,000 hours

Ambient Light Tolerance: 5,000 Lux

Power Supply via USB connection

Operating Voltage: 5 V + 5 %

Power Consumption (max): 450 mW

Max. Current: 99 mA

ESD Tolerance: > + 15 kV

Interface: USB 2.0

Communication Speed (max): 12 Mbps

Image Capture Speed (continuous): 0.1 sec

Image Capture Speed (snapshot): 0.2 sec

Latent Fingerprint Check Delay: 0.01 sec

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