M2SYS

SecuGen Hamster™ Pro 20 Fingerprint Reader

Accurate, Durable, and
Cost-Effective Fingerprint Reader

Features

- Accurate, patented optical USB fingerprint sensor with 500 DPI resolution

- Auto-On™ automatic finger detection and Smart Capture™ for quality scanning

- Ultra-compact, low profile design

- Scratch, impact, corrosion, and electrostatic shock resistant glass platen

- IP54 certified for dust and water-resistance

- FBI Certified for FIPS 201 (PIV) and Mobile ID FAP 20

- Supports SecuGen, MINEX Certified, and third-party algorithms

- Supports international and U.S. biometric standards

SecuGen Hamsters are the industry's most accurate, rugged, and affordable USB fingerprint readers. These high-performance, versatile fingerprint readers have advanced optical sensors engineered with patented technology to give users the highest quality in fingerprint biometrics.

HIGH DURABILITY AND RUGGEDNESS

Proven resistance to electrostatic shock, impact, drops, scratches, extreme temperatures, humidity, and contaminants such as sweat, dirt, and oil.

POWERFUL SENSOR

The high-performance optical sensor is made with hardened glass that is maintenance-free and resistant to scratches, impact, vibration, and electrostatic shock.

SMART CAPTURE

Performs high-quality fingerprint scanning of difficult fingers (dry, wet, scarred) in challenging circumstances like dusty environments or direct sunlight.

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Benefits

- Quick installation and easy to use with Auto-On™ mode
- Supports Windows, Android, and Linux operating systems
- Suitable to work in extreme environments
- Ensures utmost security to work with desktop, mobile or web applications

- Maximum accuracy reduces the risk of security breaches
- Easily programmable for expanded purpose of work
- Designed to provide solid performance for years
- Ultra-compact, lightweight, and portable
- Best warranty coverage in the industry

Technical Specifications

Category	Specifications
Model	HU20-A
Fingerprint Sensor / Module	U20-A
Image Resolution	500 DPI
Image Size	300 x 400 pixels
Platen Size	18.2 mm x 22.9 mm
Platen Size	18.2 mm x 22.9 mm
Sensing Area	15.24 mm x 20.32 mm
Image Gray Scale	256 levels (8-bit)
Light Source	Green LED
Smart Capture Speed	0.2 ~ 0.5 seconds
Biometric Standards/Specs	INCITS 378, ISO/IEC 19794-2, 19794-4, FIPS 201, FBI PIV & Mobile ID FAP20, NIST MINEX, WSQ

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Technical Specifications

Category	Specifications
Dimensions	53.9 x 58.5 x 31.6 mm
Weight	98 g
Dust/Water Resistance	IP54 Certified
USB Interface	2.0 Hi-Speed
Operating Temperature	-20℃ ~ 65℃
Operating Humidity	90% non condensing, max
Supply Voltage	5 V DC (via USB)
Max Current	130 mA
Compliance	FCC, CE, KC, RoHS, CB, WEEE, USB 2.0, WHQL
Warranty	One year limited
Supported Operating Systems	Windows 11 / 10 / 8.1 / 8 / 7 Windows Server 2016 / 2012 / 2008 R2 Android 3.1+, Linux

Contact Us

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