

SecuGen

iD-SERIAL™
iD-USB SC™
iD-USB SC/PIV™

Fingerprint Scanners

From the world's leading supplier of advanced, optical fingerprint technology...

SecuGen *iD* Fingerprint Scanners feature the industry's most rugged and accurate optical sensors based on patented SEIR™ technology.



SecuGen Provides the Highest Quality in Fingerprint Biometrics at Affordable Prices

Durable

SecuGen fingerprint sensors are extremely rugged and feature a virtually indestructible sensor prism. From the sensor surface to the internal lens and electronic components, SecuGen sensors are designed to be strong and dependable to deliver consistent performance in indoor, outdoor, hot, cold and other harsh environments.

Accurate

SecuGen sensors are very accurate thanks to a patented optic design that produces distortion-free images from which data points are extracted for matching. Higher quality images mean greater precision, less false rejection and acceptance, and better overall performance.

Maintenance-free

Unlike semiconductor-based sensors and other optical sensors in the market, SecuGen sensors are made with a hard quartz-like material that needs no coatings but resists scratches, ESD, corrosion and other stresses. The optic parts are tightly assembled so that if the sensors are ever dropped, there is no need for recalibration.

Cost-effective

SecuGen designs, develops and manufactures its own fingerprint sensors that are built to last. SecuGen guarantees the best product quality in the industry, which translates into savings by eliminating costly replacements and losses from system downtime.

Technical Specifications

iD-SERIAL™



iD-USB SC™



iD-USB SC/PIV™



FBI Certified

Description

Complete fingerprint authentication system with serial interface

Combination fingerprint reader and contact smart card reader

Combination fingerprint reader and contact smart card reader

Typical Applications

Point of Sale (POS), Time & Attendance, Any fingerprint application requiring a serial interface

Time & Attendance, Logical & Physical Access Control, Any application requiring multi-factor fingerprint / smart card authentication

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Fingerprint Reader

Optical Sensor SecuGen SDA03M™
Image Resolution / Size 500 DPI / 260 x 300 pixels
Platen Size / Sensing Area 16.1 x 18.2 mm / 13.2 x 15.2 mm
Image Grayscale 256 levels (8-bit)
Platen Hardness 750 HK
Light Source / Lifetime (typical) Red LED / 60,000 hours
Imaging Speed 0.3 seconds
Supported Biometric Standards INCITS 378, ISO 19794
Auto-On™ and Smart Capture™ Yes

Optical Sensor SecuGen SDU03P™
Image Resolution / Size 500 DPI / 260 x 300 pixels
Platen Size / Sensing Area 16.1 x 18.2 mm / 13.2 x 15.2 mm
Image Grayscale 256 levels (8-bit)
Platen Hardness 750 HK
Light Source / Lifetime (typical) Red LED / 60,000 hours
Imaging Speed 0.2 - 0.5 seconds with Smart Capture
Supported Biometric Standards BioAPI, INCITS 378, ISO 19794
Auto-On™ and Smart Capture™ Yes

Optical Sensor SecuGen FDU04™
Image Resolution / Size 508 DPI / 258 x 336 pixels
Platen Size / Sensing Area 16.1 x 18.2 mm / 12.9 x 16.8 mm
Image Grayscale 256 levels (8-bit)
Platen Hardness 750 HK
Light Source / Lifetime (typical) Red LED / 60,000 hours
Imaging Speed 0.4 - 1.2 seconds with Smart Capture
Supported Biometric Standards BioAPI, INCITS 378, ISO 19794, FIPS 201
Auto-On™ and Smart Capture™ Yes

General

Dimensions (W x L x H) 88 x 140 x 67 mm
Operating Temp. / Humidity -10° to 50° C / 90% or less RH (noncond.)
Interface Serial (RS 232, TTL)
Supply Voltage 3.3 V DC (via included external supply)
Maximum Current 320 mA
Warranty One year limited
Compliance / Certification FCC, CE, RoHS
Supported Operating Systems

Dimensions (W x L x H) 88 x 140 x 67 mm
Operating Temp. / Humidity -10° to 50° C / 90% or less RH (noncond.)
Interface USB 1.1 Full-Speed, USB 2.0 Hi-Speed
Supply Voltage 5 V DC (via USB)
Maximum Current 220 mA
Warranty One year limited
Compliance / Certification FCC, CE, RoHS
Supported Operating Systems Windows 7, Vista, XP, 2000, CE, Linux
 Windows Server 2008 R2, 2003

Dimensions (W x L x H) 88 x 140 x 67 mm
Operating Temp. / Humidity -10° to 50° C / 90% or less RH (noncond.)
Interface USB 2.0 Hi-Speed
Supply Voltage 5 V DC (via USB)
Maximum Current 250 mA
Warranty One year limited
Compliance / Certification FCC, CE, RoHS / FBI, GSA
Supported Operating Systems Windows 7, Vista, XP, 2000
 Windows Server 2008 R2, 2003

Additional Features

CPU / Flash: 400 MHz ARM / 32 MB
Storage Capacity: 3,000 Users
Embedded Algorithms: MINEX Certified Template Extractor and 1:1 Matcher; 1:N Matching Engine (SecuSearch™)
Matching Speed (sec): 0.1 (1:1), 0.2 (1:N)
Communication Speed (max): 460.8 kbps

Smart Card Reader: HID OMNIKEY® 3121
Smart Card Standards: ISO 7816, EMV2 2000 Level 1
Card Size: ID-1 (full size)
Smart Card Clock Freq: Up to 8MHz
Supported Card Types: 5V, 3V, 1.8V, ISO 7816 Class A, AB and C
Supported APIs: PC/SC driver (ready for 2.01), CT-API, Synchronous-API, OCF



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