

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

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.

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.

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.

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

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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 SDA04P™

SecuGen SDU03P™

SecuGen SDU04P™

Image Resolution / Size

500 DPI / 260 x 300 pixels

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508 DPI / 258 x 336 pixels

Platen Size / Eff. Sensing Area

16.1 x 18.2 mm / 13.2 x 15.2 mm

16.1 x 18.2 mm / 13.2 x 15.2 mm

16.1 x 18.2 mm / 12.9 x 16.8 mm

Light Source / Typical Lifetime

LED / 60,000 hours

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LED / 60,000 hours

Fingerprint Capture Speed

0.2 ~ 0.5 second with Smart Capture

0.2 ~ 0.5 second with Smart Capture

0.2 ~ 0.8 seconds with Smart Capture

Supported Biometric Standards

INCITS 378, ISO/IEC 19794-2, 19794-4

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INCITS 378, ISO/IEC 19794-2, 19794-4, FIPS 201

Auto-On™ & Smart Capture™

Yes

Yes

Yes

General

Dimensions (W x L x H)

88 x 140 x 67 mm

88 x 140 x 67 mm

88 x 140 x 67 mm

Operating Temp. / Humidity

-20° ~ 65° C / 90% or less RH

0° ~ 55° C / 10 ~ 90% RH

0° ~ 55° C / 10 ~ 90% RH

Interface

Serial (RS 232, CMOS)

USB 1.1 Full-Speed, USB 2.0 Hi-Speed

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Supply Voltage

3.3 V DC (via included external supply)

5 V DC (via USB)

5 V DC (via USB)

Current Consumption (max)

400 mA

220 mA

250 mA

Warranty

One year limited

One year limited

One year limited

Compliance / Certification

FCC, CE, KCC, RoHS

FCC, CE, KCC, RoHS

FCC, CE, KCC, RoHS / FBI PIV Single Finger, GSA

Supported Operating Systems

Windows 10, 8.1, 8, 7

Windows Server 2012, 2008 R2

Windows 10, 8.1, 8, 7

Android 3.1+, Linux

Android 3.1+, Linux

Windows Server 2012, 2008 R2

Android 3.1+, Linux

Additional Features

CPU / Flash: 533 MHz ARM / 128 MB

Storage Capacity: 10,000 Users

Embedded Algorithms:

Template Extractor, 1:1 Matcher,

1:N Matching Engine (SecuSearch™)

Matching Speed: < 0.1 second (1:1)

< 0.2 second (1:N)

Communication Speed (max): 921.6 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, C

Supported APIs:

PC/SC driver (ready for 2.01), CT-API,

Synchronous-API, OCF



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