

# 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

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

### Fingerprint Reader

Optical Sensor  
Image Resolution / Size  
Platen Size / Eff. Sensing Area  
Light Source / Typical Lifetime  
Fingerprint Capture Speed  
Supported Biometric Standards  
Auto-On™ & Smart Capture™

SecuGen SDA04P™  
500 DPI / 260 x 300 pixels  
16.1 x 18.2 mm / 13.2 x 15.2 mm  
LED / 60,000 hours  
0.2 ~ 0.5 second with Smart Capture  
ANSI INCITS 378, ISO 19794  
Yes

SecuGen SDU03P™  
500 DPI / 260 x 300 pixels  
16.1 x 18.2 mm / 13.2 x 15.2 mm  
LED / 60,000 hours  
0.2 ~ 0.5 second with Smart Capture  
ANSI INCITS 378, BioAPI, ISO 19794  
Yes

SecuGen SDU04P™  
508 DPI / 258 x 336 pixels  
16.1 x 18.2 mm / 12.9 x 16.8 mm  
LED / 60,000 hours  
0.2 ~ 0.8 seconds with Smart Capture  
ANSI INCITS 378, BioAPI, ISO 19794, FIPS 201  
Yes

### General

Dimensions (W x L x H)  
Operating Temp. / Humidity  
Interface  
Supply Voltage  
Current Consumption (max)  
Warranty  
Compliance / Certification  
Supported Operating Systems

88 x 140 x 67 mm  
-20° ~ 65° C / 90% or less RH  
Serial (RS 232, CMOS)  
3.3 V DC (via included external supply)  
400 mA  
One year limited  
FCC, CE, RoHS

88 x 140 x 67 mm  
0° ~ 55° C / 10 ~ 90% RH  
USB 1.1 Full-Speed, USB 2.0 Hi-Speed  
5 V DC (via USB)  
220 mA  
One year limited  
FCC, CE, RoHS  
Windows 8.1, 8, 7, Vista, XP, 2000  
Windows Server 2012, 2008 R2, 2003  
Android, Linux

88 x 140 x 67 mm  
0° ~ 55° C / 10 ~ 90% RH  
USB 1.1 Full-Speed, USB 2.0 Hi-Speed  
5 V DC (via USB)  
250 mA  
One year limited  
FCC, CE, RoHS / FBI PIV Single Finger, GSA  
Windows 8.1, 8, 7, Vista, XP, 2000  
Windows Server 2012, 2008 R2, 2003  
Android, 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

# SecuGen

SecuGen Corporation

[www.secugen.com](http://www.secugen.com)

*Open the World with Your Fingertip!®*