

# 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

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

SecuGen SDA04P™

#### Image Resolution / Size

500 DPI / 260 x 300 pixels

#### Platen Size / Eff. Sensing Area

16.1 x 18.2 mm / 13.2 x 15.2 mm

#### Light Source / Typical Lifetime

LED / 60,000 hours

#### Fingerprint Capture Speed

0.2 ~ 0.5 second with Smart Capture

#### Supported Biometric Standards

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

#### Auto-On™ & Smart Capture™

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

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

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

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

Yes

### General

#### Dimensions (W x L x H)

88 x 140 x 67 mm

#### Operating Temp. / Humidity

-20° ~ 65° C / 90% or less RH

#### Interface

Serial (RS 232, CMOS)

#### Supply Voltage

3.3 V DC (via included external supply)

#### Current Consumption (max)

400 mA

#### Warranty

One year limited

#### Compliance / Certification

FCC, CE, KCC, RoHS

#### Supported Operating Systems

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, KCC, RoHS

Windows 10, 8.1, 8, 7

Windows Server 2012, 2008 R2

Android 3.1+, 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, KCC, RoHS / FBI PIV Single Finger, GSA

Windows 10, 8.1, 8, 7

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

# SecuGen

Open the World with Your Fingertip!®

Founded in 1998, SecuGen is a leading provider of advanced optical fingerprint recognition technology for physical and information security. Our high quality biometric sensors have been used all around the world in diverse areas such as government, finance, health care, law enforcement, education, retail, manufacturing, and transportation.

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