

SecuGen's USB fingerprint readers are made with the industry's most rugged and advanced optical sensors using patented SEIR™ technology to give you the highest quality in fingerprint biometrics

SecuGen ID Serial

SecuGen ID-Serial with an integrated ultra-fast, high-performance fingerprint reader with Smart Capture™ & Auto-On™

Features

- High-performance, maintenance-free optical fingerprint sensor
- Sensor resistant to scratches, impact, vibration and electrostatic shock
- Fingerprint capture and template creation with option to use proprietary or ANSI-INCITS 378-2004 standard formats
- Capability to transmit templates to separate central server/database for storage and matching
- Available on-board 1:1 and 1:N (SecuSearch®) matching algorithms with optional internal storage capacity of 3,000 users
- Serial RS-232 interface with RJ-22 modular jack for maximum flexibility in cable configurations
- Surface mountable with integrated screw mounts
- Integrated finger guide
- Designed for ready access by any finger in any orientation
- Power adapter



What is Smart Capture™?

Self-Adjusting Fingerprint Brightness technology that ensures quality fingerprint scanning of difficult fingers. By automatically adjusting the brightness of the sensor, Smart Capture allows the fingerprint reader to capture high quality fingerprints from a wide range of traditionally difficult fingers, including those from dry, wet, scarred or aged skin, and even in bright ambient conditions such as under direct sunlight.

Benefits of Using SecuGen USB Fingerprint Readers

SecuGen USB fingerprint readers are easy to install and use with software applications designed with fingerprint identification or verification functions that let your fingerprints act like digital passwords that cannot be lost, forgotten or stolen. SecuGen readers provide consistent performance and security for a growing number of applications and are supported

by a wide range of operating systems and computing environments.

SecuGen readers are backed by the industry's best quality guarantee and years of field use and proven performance under extreme conditions. This helps avoid the cost and inconvenience of field replacements of damaged units made by other sensor manufacturers.

When used for biometric authentication as part of an overall security program, SecuGen readers can help reduce the hassles of password overload, decrease the risks of security breaches, improve accountability and add true non-repudiation, all while making it more convenient and intuitive for almost any user.

SecuGen Sensors are Known for their High Quality

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 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.

Typical Applications

SecuGen readers work with a large variety of software products available through 3rd party developers for applications such as:

- network, PC, enterprise, or internet security
- E-commerce and electronic transactions
- Bank and financial systems
- Medical information systems
- Labor and attendance tracking
- Any password-based application ...

Visit our website for a list of compatible 3rd party software and our SDK Collection at www.secugen.com.

SecuGen ID Serial™

General

CPU	Samsung S3C2440 400 MHz
Flash	32MB HAND Flash
Identification User Capacity (1:N)	3,000 users
Verification User Capacity (1:1)	3,000 users
Fingerprint Capture Time	0.3 sec
Minutiae Extraction Time	0.4 sec
1:1 Matching Time	0.1 sec
1:N Matching Time	0.2 sec (3,000 users)
Supply Voltage	3.3V DC regulated
Normal Current Consumption	120mA
Max Current Consumption	320mA
Image Resolution	500dpi
Image Size	260(W) x 300(H) pixels
Effective Sensing area	12.7 x 14.9 mm
Communication Speed	1200 ~ 460800BPS (Serial RS232 Level)
Operating Temperature	-20° C ~ 65° C
Operating Humidity	RH 90% or less
ESD (Electrostatic Discharge)	13 kV
Dimensions	140(L) x 88(W) x 67(H) mm
Weight	190g

