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.

FBI Certified

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	SecuGen SDA04P™	SecuGen SDU03P™	SecuGen SDU04P™
Image Resolution / Size	500 DPI / 260 x 300 pixels	500 DPI / 260 x 300 pixels	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	LED / 60,000 hours	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	ANSI INCITS 378, ISO 19794	ANSI INCITS 378, BioAPI, ISO 19794	ANSI INCITS 378, BioAPI, ISO 19794, 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	USB 1.1 Full-Speed, USB 2.0 Hi-Speed
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, RoHS	FCC, CE, RoHS	FCC, CE, RoHS / FBI PIV Single Finger, GSA
Supported Operating Systems		Windows 8.1, 8, 7, Vista, XP, 2000	Windows 8.1, 8, 7, Vista, XP, 2000
		Windows Server 2012, 2008 R2, 2003	Windows Server 2012, 2008 R2, 2003
		Android, Linux	Android, Linux

Additional Features

iD-SERIAL	iD-USB SC / iD-USB SC/PIV
CPU / Flash: 533 MHz ARM / 128 MB	**Smart Card Reader:** HID OMNIKEY® 3121
Storage Capacity: 10,000 Users	**Smart Card Standards:** ISO 7816, EMV2 2000 Level 1
Embedded Algorithms:	**Card Size:** ID-1 (full size)
Template Extractor, 1:1 Matcher,	**Smart Card Clock Freq:** Up to 8MHz
1:N Matching Engine (SecuSearch™)	**Supported Card Types:** 5V, 3V, 1.8V, ISO 7816 Class A, AB, C
Matching Speed: < 0.1 second (1:1)	**Supported APIs:** PC/SC driver (ready for 2.01), CT-API,
< 0.2 second (1:N)	Synchronous-API, OCF
Communication Speed (max): 921.6 kbps	

SecuGen

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