SecuGen

¡D-SERIAL
¡D-USB SC
¡D-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 SEIRTM technology.

FBI Certi ed

SecuGen Provides the Highest Quality in Fingerprint Biometrics at Aordable 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 tra c 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 ngerprint 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- e ective

SecuGen designs, develops, and manufactures its own ngerprint sensors that are built to last and deliver solid performance for years, making SecuGen sensors the most cost e ective choice.

Radium

Technical Speci cations

iD-*SERIAL*

iD-*USB SC*

iD-*USB SC/PIV*

FBI Certi ed

	iD-SERIAL	iD-USB SC	iD-USB SC/PIV
Description	Complete ngerprint authentication system with serial interface	Combination ngerprint reader and contact smart card reader	Combination ngerprint reader and contact smart card reader
Typical Applications	Point of Sale (POS), Time & Attendance, Any ngerprint application requiring a serial interface	Time & Attendance, Logical & Physical Access Control, Any application requiring multi-factor ngerprint / smart card authentication	Time & Attendance, Logical & Physical Access Control, Any application requiring multi-factor ngerprint / 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 / E . 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	INCITS 378, ISO/IEC 19794-2, 19794-4	INCITS 378, ISO/IEC 19794-2, 19794-4	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	-20o ~ 65o C / 90% or less RH	0o ~ 55o C / 10 ~ 90% RH	0o ~ 55o C / 10 ~ 90% RH
Inter face	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 / Certi cation	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 10, 8.1, 8, 7
		Windows Server 2012, 2008 R2	Windows Server 2012, 2008 R2
		Android 3.1+, Linux	Android 3.1+, Linux

Additional Features

iD-SERIAL

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

iD-USB SC

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