

BAYOMETRIC

SecuGen SDA03P

FINGERPRINT RECOGNITION SYSTEM



PRODUCT DESCRIPTION

SecuGen SDA03P is one of the most widely used optical sensors in SecuGen biometric scanners and other products that uses fingerprint verification systems. The SDA03P is an independent stand-alone biometric sensor that is capable of capturing, storing and matching fingerprints with templates from registered users. The SDA03P is an OEM module that can be integrated into any device and such as door locks, access control units and other products. It is also interoperable with other SecuGen USB fingerprint readers and can communicate with peripherals using RS232 serial interface, Wiegand interface and GPIO.

The module produces images with 500 DPI resolution with a size of 260 x 300 pixels. The images are high quality in nature owing to the fact that the module operates with SecuGen's Smart Capture feature which is capable of altering source brightness according to finger nature and ambient conditions. The module is also equipped with an Auto-On feature and can be used to register, verify, identify and upload user data with SDA developer kits. The module houses a 400 MHz ARM CPU and can store templates of up to 3000 users.

APPLICATIONS

Verify or identify user

Manage user database

Interface with PC

KEY FEATURES

Durable

Accurate

Maintenance-free

Cost-effective

TECHNICAL SPECIFICATIONS

CPU	400 MHz ARM
Flash	32 MB
User Capacity	3,000 users (1:1 or 1:N)
Fingerprint Capture Time	0.2 ~ 0.5 second with Smart Capture™
Minutiae Extraction Time	< 0.4 second
Matching Time	< 0.1 second (1:1), < 0.2 second (1:N)
Supply Voltage	3.3V DC regulated
Current Consumption	120 mA (idle), 320 mA (operating)
Communication Speed	1200 ~ 460800 bps (RS-232, CMOS Level Serial)
External Interface	RS232 Serial, Wiegand, GPIO
Optic Module	SDOPP03P / SDOPP03P-WR
Image Resolution	500 DPI
Image Size	260 x 300 pixels

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CONTACT

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Platen Size	16.1 mm x 18.2 mm
Effective Sensing Area	13.2 mm x 15.2 mm
Light Source / Typical Lifetime	LED / 60,000 hours
Operating Temperature	- 20° ~ 65°C
Dimensions (L x W x H) / Weight	21 x 32 x 62 mm / 32 g (optic module) 59 x 43 x 8 mm / 16 g (processing board)
Supported Fingerprint Templates	SecuGen Proprietary, ANSI INCITS 378-2004, and ISO/IEC 19794-2 formats
Other Features	Auto-On™, Smart Capture™
Compliance	RoHS

ABOUT BAYOMETRIC

Bayometric is a leading global provider of biometric security systems offering core fingerprint identification solutions. Our products and solutions help enterprises, government agencies, custom application developers and system integrators meet their security, identification and access management requirements.

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