

# BAYOMETRIC

## SecuGen SDA04P

### USB FINGERPRINT SENSOR OEM MODULE



#### PRODUCT DESCRIPTION

SecuGen SDA04P is the higher end version of the SDA series of embedded OEM modules from SecuGen. The SDA04P runs on a 533 MHz ARM CPU and has a 128 MB flash memory. The OEM module is used for embedded applications in a number of domains such as infrastructure security, device security, access control, system security and more. The module has the ability to store templates of up to 10,000 users for both 1: 1 and 1: N applications. The module also features SecuGen's Auto-On and Smart Capture technology which makes it one of the best OEM modules in the market.

The device produces high quality 500 DPI resolution images which can be used in tandem with SDA developer kits for identifying, verifying and registering users. The kit can also be used for managing user database, control system settings and interfacing with PC and other SecuGen USB fingerprint scanners. The module measures 21x 32 x 62 mm while the processing board measures 59 x 43 x 8 mm which not only makes it compact but also easily integrable with other products such as door locks, access control units and time and attendance units.

#### APPLICATIONS

Verify or identify user  
Manage user database  
Interface with PC

#### KEY FEATURES

Durable  
Accurate  
Maintenance-free  
Cost-effective

#### TECHNICAL SPECIFICATIONS

|                                 |  |
|---------------------------------|--|
| Optic Module                    | SDOPP03P   |
| Image Resolution / Size         | 500 DPI / 260 x 300 pixels   |
| Sensing Area / Platen Size      | 13.2 x 15.2 mm / 16.1 x 18.2 mm  |
| Fingerprint Capture Time        | 0.2 ~ 0.5 second with Smart Capture  |
| Light Source / Typical Lifetime | LED / 60,000 hours   |
| Dimensions / Weight             | 21 x 32 x 62 mm / 32 g   |
| CPU / Flash Memory              | 533 MHz ARM / 128 MB   |
| Storage Capacity                | 10,000 users (1:1 or 1:N)  |
| Minutiae Extraction Time        | < 0.3 second   |
| Matching Time (1:1)             | < 0.1 second   |
| Matching Time (1:N)             | < 0.2 second   |
| MINEX Compliant Algorithms      | No   |
| Fingerprint Template            | SecuGen, INCITS 378, ISO 19794-2   |
| Communication Speed (max)       | 921,600 bps  |
| External Interface              | RS232 Serial (SDA04P only), Wiegand (SDA04P only), GPIO (SDA04P only), CMOS Level Serial |
| Dimensions / Weight             | 59 x 43 x 8 mm / 16 g  |
| Supply Voltage                  | 3.3 V DC   |
| Current Consumption             | 120 mA (idle), 400 mA (operating)  |

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#### CONTACT

|         |  |
|---------|--|
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| Web     | <a href="http://www.bayometric.co.uk">www.bayometric.co.uk</a>     |
| Address | 1743 Park Avenue<br>San Jose, CA 95126                             |

|                                |                                  |
|--------------------------------|----------------------------------|
| Operating Temperature          | -20o ~ 65o C                     |
| Operating Humidity             | 90% or less RH,<br>noncondensing |
| Auto-On™ & Smart Capture™      | Yes                              |
| Compliance / Certification     | RoHS                             |
| Optional Water Resistance (WR) | Water-resistant optic module     |

#### 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.

#### LINKS



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