

# SecuGen **iD-USB SC™**

## Model: XSDU03MSC

### Datasheet

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## **iD-USB SC™**

Model No: XSDU03MSC

### **1. General Description**

SecuGen **iD-USB SC™** is a combination fingerprint reader and contact smart card reader that supports the USB (Universal Serial Bus) 1.1 and 2.0 interface, utilizes the Plug & Play architecture, and is hot swappable. The SecuGen **iD-USB SC** is RoHS compliant and is compatible with the Hamster Plus™ fingerprint readers (HSDU03M, HFDU03FRS & HFDU03FR models) with regard to fingerprint functionality. The smart card reader in the device is 100% compatible with the HID Omnikey 3121 USB smart card reader.

### **Key Features**

- Auto-On™ Automatic Finger Detection
- Smart Capture™
- USB 1.1 & 2.0 compliant
- Bulk mode fingerprint transfer
- Programmable internal serial number
- Multi-device connection support
- No additional power supply needed
- USB bus-powered device
- Device drivers available for most popular operating systems (Windows, CE, Linux)
- Fingerprint SDKs available for integration into applications
- ISO7816 & EMV2 2000 level 1 compliant smart card reader
- PC/SC compliant smart card reader

### **Possible Applications**

- Time and Attendance
- Logical Security
- Physical Access Control



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## 2. Specifications

<b>General</b>	
Dimensions (W x L x H)	88 mm x 140 mm x 67 mm
Operating Temperature	-10°C to +50°C
Operating Humidity	90% or less RH, noncondensing
<b>Optical Fingerprint Reader</b>	<b>SecuGen® SDU03M™</b>
Image Resolution	500 DPI
Image Size / Platen Size	260 x 300 pixels / 16.1 mm x 18.2 mm
Effective Sensing Area	13.2 mm x 15.2 mm
Image Grayscale	256 levels (8-bit)
Platen Hardness	750 HK
Light Source	Red LED
Lifetime (typical)	60,000 hours
Imaging Speed (capture time)	0.2 ~ 0.5 seconds with Smart Capture
Operating Systems supported	Windows® 7, Vista, XP, 2000, Server 2008 R2, 2003, CE, Linux®, SUN Solaris10
<b>Smart Card Reader</b>	<b>HID OMNIKEY® 3121</b>
Standards	ISO 7816 & EMV2 2000 Level 1
Protocols	T=0, T=1, 2-wire: SLE 4432/42 (S=10), 3-wire: SLE 4418/28 (S=9), I2C (S=8)
Card Size	ID-1 (full size)
Smart Card Clock Frequency	Up to 8 MHz
Supported Card Types	5V, 3V and 1.8V Smart Cards, ISO 7816 Class A, AB and C
Power to Smart Card	60 mA
Smart Card Detection	Movement detection with auto power-off, Automatic detection of smart card type, Short circuit and thermal protection
8 Pin Handling	C4 / C8 supported
Status Indicator	Dual Color LED
Supported APIs	PC/SC driver (ready for 2.01), CT-API (on top of PC/SC), Synchronous-API (on top of PC/SC), OCF (on top of PC/SC)
PC/SC Driver Support	Windows® 7, Vista, XP, 2000, Server 2008 R2, 2003, CE, Linux®
<b>Electrical</b>	
Supply Voltage	5.0V DC $\pm$ 5% via USB connection
Max Current Consumption	220 mA
<b>Communications</b>	
USB	USB 1.1 Full-Speed, USB 2.0 Hi-Speed

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### 3. Ordering Information

Product	Part Number	Description
iD-USB SC	EA4-0515B	Integral USB fingerprint reader and smart card device assembly, including SDU03M optical fingerprint module and USB cable
SDKs & Device Drivers	N/A	For SecuGen SDU03M Fingerprint Reader SDKs: <a href="http://www.secugen.com/products/sdk.htm">www.secugen.com/products/sdk.htm</a> Drivers: <a href="http://www.secugen.com/download">www.secugen.com/download</a>  For HID OMNIKEY 3121 Smart Card Reader SDK: <a href="http://www.omnikey.com">www.omnikey.com</a> Drivers: <a href="http://www.omnikey.com">www.omnikey.com</a>

### SecuGen Sales Contact

[Sales@secugen.com](mailto:Sales@secugen.com)

Sales Tel: +1 (408) 834-7712