

SecuGen **iD-USB SC™**

Model: XSDU03MSC

Datasheet

Contents

1. General Description	2
2. Specifications	3
3. Ordering Information	4
SecuGen Sales Contact	4
Smart Card Reader Device Drivers and SDKs	4

Copyright © SecuGen Corporation. All rights reserved. Information in the document is subject to change at any time without prior notice.

iD-USB SC™

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.

Features

- Auto-On™ Automatic Finger Placement Detection
- 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 7, Vista, XP, Server 2003, 2000, CE, Linux, SUN Solaris10)
- Fingerprint SDKs available for integration into applications
- ISO7816 & EMV2 2000 level 1 compliant smart card reader
- PC/SC compliant smart card reader

Applications

- Time and Attendance
- Logical Security
- Physical Access Control



iD-USB SC™

Model No: XSDU03MSC

2. Specifications

General	
Dimensions (W x L x H)	140 (L) x 88 (W) x 67 (H) mm
Operating Temperature	0°C ~ 40°C
Operating Humidity	RH 90% or less, non-condensing
Optical Fingerprint Reader	
Image Resolution	500 DPI \pm 0.2%
Image Size / Platen Size	260(W) x 300(H) pixels / 16.1 mm x 18.2 mm
Effective Sensing Area	12.7 x 14.9 mm
Image Grayscale / Type	256 shades (8-bit gray level) / Non-lossy
Distortion	< 0.1%
Sensing Prism Hardness	750Hk (6.8 Mohs)
Light Source	Red LED
Lifetime (typical)	60,000 hours
Ambient Light Tolerance	> 5,000 Lux (50,000 Lux with Smart Capture)
Image Capture Speed (continuous)	0.04 sec (0.12 sec with Smart Capture)
Image Capture Speed (snapshot)	0.08 sec (0.23 sec with Smart Capture)
Operating Systems supported	Windows® 7, Vista, XP, 2008, 2003, 2000, CE, Linux®, SUN Solaris10
Smart Card Reader	
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, 2008, 2003, 2000, CE, Linux®

iD-USB SC™

Model No: XSDU03MSC

Electrical	
Supply Voltage	5.0V DC \pm 5% via USB connection
Max Current Consumption	220 mA
ESD Tolerance	12 kV
Communications	
USB	USB 1.1 full speed and USB2.0 high speed

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
Fingerprint SDKs	N/A	Various Software Developer Kits for fingerprint reader available. Request free SDK downloads at www.secugen.com/products/sdk.htm
Windows Device Drivers	N/A	Download at www.secugen.com/download

SecuGen Sales Contact

Sales@secugen.com

Sales Tel: +1 (408) 834-7712

Smart Card Reader Device Drivers and SDKs

HID Omnikey: www.omnikey.com