suprema
BioMini & SDK
High Performance PC Fingerprint Solution

Award Winning Algorithm
Precise Scanning
Sleek Design

| BioMini |

Suprema's fingerprint-based PC solution has been designed specially to provide high level biometric security for desktops as well as complex network environments. Our latest range of high-performance fingerprint USB scanners are supported by powerful software development kit (SDK) which features Suprema's award-winning algorithm, ranked top in FVC and NIST MINEX tests. Suprema PC solution provides unrivalled versatile platform for development to leading security companies, system integrators and hardware manufacturers.

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G R O U P

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BioMini Front View

BioMini Side View

SFU300 (OEM version)

BioMini Features

- World's best performing fingerprint algorithm : Top results in NIST MINEX tests and FVC
- FIPS 201 certified template extractor and matcher
- NIST certified interoperable template format standards (ANSI-378/ISO19794-2)
- Image Compression Standard (WSQ)
- Fast matching speed : 100,000 match within a second*
  Multi-threaded code design fully utilizing multi-core CPU power

- Plug and play USB 2.0 high speed interface
- Supports multiple device handling

- 500 dpi optical fingerprint sensor
- Scratch free sensor surface

- BioMini SDK for easy application software development
- Supports MS Windows and Linux
- Supports multiple programming languages

*with Intel Core2Duo 2.13GHz

BioMini Specifications

Fingerprint Sensor	Optical (Scratch free sensor surface)
Resolution	500 DPI / 256 gray
Sensing Area	16 x18 mm
Image Size	288 x 320 pixels
Interface	USB 2.0 High speed / Full speed, Plug & Play
O/S	Microsoft Windows, Linux
Operating Temperature	-10~50℃
Certification	CE, FCC, KCC, WHQL
Size	66 x 90 x 58 mm (W x L x H)

*Operation of BioMini Plus under direct sunlight can result a failure in image capturing.

BioMini SDK

The BioMini SDK enables a user to develop fingerprint applications quickly and easily.

Contents :

- Fingerprint algorithm library for PC Windows or Linux
- Sample application program with source code
  (VC, VB, C#, VB.NET, Java)
- Technical documents
- Fingerprint scanner

SDK Specifications

Template Size	1024 Bytes (Configurable)
Enrollment Time*	< 0.1 second
Verification Time*	< 0.1 second
Identification Time*	100,000 matches per second
Database	Microsoft Access
Encryption	256 bit AES
Supported Platforms	Windows 7 / Vista / XP / 2000 / ME / 98, Linux

*with Intel Core2Duo 2.13GHz