

**suprema**

# BioMini Plus & SDK

**FBI PIV Approved PC Fingerprint Solution**

FBI PIV-IQS Certification  
FIPS201 Certification  
Hybrid Live Finger Detection  
Award Winning Algorithm



## | BioMini Plus |

Suprema BioMini Plus PC security solution has been designed specially to provide high level security solution for desktop PC and complex network environments. With its proven reliability of FBI-PIV certification, BioMini Plus features advanced hybrid-type live finger detection (LFD) technology and multi award-winning Suprema Algorithm. Packed in a sleek and ergonomic design, it features durable 500dpi optical sensor and high speed USB 2.0 interface. Combined with its comprehensive SDK solution, BioMini Plus offers superb hardware and software compatibility makes it an ideal platform for developers.





BioMini Plus Front View



BioMini Plus Side View



SFU500 (OEM version)

### 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 : BioMiniPlus, BioMini, SFU500, SFU 300

### BioMini Plus Features



- FBI PIV-IQS/FIPS 201 certification
- NIST certified interoperable template format standards (ANSI-378/ISO19794-2)



- Image Compression Standard (WSQ)



- Hybrid live finger detection (LFD) technology



- World's best performing fingerprint algorithm : Top results in NIST MINEX tests and FVC2004/2006
- 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 Plus SDK for easy application software development
- Supports MS Windows
- Supports multiple programming languages

\*with Intel Core2Duo 2.13GHz

### BioMini Plus Specifications

Fingerprint Sensor	Optical (Scratch free sensor surface)
Resolution	500 DPI / 256 gray
Sensing Area	15.5 x 18.8mm
Image Size	260 x 340 pixels
Interface	USB 2.0 High speed / Full speed, Plug & Play
O/S	Microsoft Windows, Linux
Operating Temperature	-10~50°C
Certification	CE, FCC, MIC, FBI PIV-IQS, FIPS 201
Duration	Over 1 million fingerprint capture
Size	66 x 90 x 58 mm ( W x L x H )

### SDK Specifications

Data Space	256 KB
Template Size	384 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	MS Windows 98 / ME / 2000/XP / Vista / 7, Linux

\*with Intel Core2Duo 2.13GHz

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