

BioMini

High Performance Authentication Scanner



| 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 and 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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High Performance Authentication Scanner



FEATURES



- World's best performing fingerprint algorithm
- Top results in NIST MINEX tests and FVC
- NIST certified interoperable image & template format standards (ANSI-378/ISO 19794-2, ISO 19794-4)
- Image Compression Standard (WSQ)
- Fast matching speed : 100,000 match / second (with Intel Core2Duo)



- USB 2.0 high speed interface
- Supports multiple device handling



- New Improved Optical Sensor
- 500dpi optical fingerprint sensor
- Scratch proof IP65 sensor surface



- BioMini SDK for easy application software development
- Supports MS Windows, Linux and Android 4.1 & Above
- Supports multiple programming languages

SPECIFICATIONS

Sensor	Live Finger Detection	X
	Sensor Type	Optical
	Resolution	500 ppi
	Gray Scale	256 level
	Platen Size (W x L mm)	16 x 18
	Sensing Area (W x H mm)	14.6 x 16.2
H/W	Image Size (W x H pixels)	288 x 320
	Interface	USB 2.0 High Speed
	Operating Temperature(°C)	-10~50°C
	Operating humidity	10 ~ 90% RH
	Ingress Protection	IP65(Sensor Surface)
	Dimensions (W x L x H mm)	66 x 90 x 58
S/W	Weight (Kg)	0.12
	Windows	Windows XP, Vista, 7, 8, 8.1, 10 32/64bit
	Linux	Ubuntu, Debian, Fedora, OpenSUSE, CentOS 32/64bit
	Android Android 4.1(Jelly Bean)and Above	O
	Image Format	RAW, BMP, WSQ, ISO 19794-4
	Template Type	Suprema, ISO19794-2, ANSI-378
Certification	CE	O
	FCC	O
	KC	O
	UL / CB	X
	IEC62471	X
	WEEE	X
	WHQL	O

BioMini SDK

BioMini SDK is suitable for applications where fingerprint enrollment and recognition can be done on PC or network based systems with Suprema BioMini, BioMini Combo and SFU series scanners.

Windows / Linux



FEATURES

- World's best performing fingerprint algorithm
- Top results in NIST MINEX tests and FVC
- FIPS 201 certified template extractor and matcher
- Fast matching speed : 100,000 match / second (with Intel Core2Duo)
- Supports MS Windows and Linux
- Supports multiple programming languages: VC++, VB, VB.NET, C#, Java
- Multi-threaded code design fully utilizing multi-core CPU power
- Fingerprint templates compatible with Suprema Products

SPECIFICATIONS

- Template Size : 1024 Bytes (Configurable)
- Enrollment Time : < 0.1 second
- Verification Time : < 0.1 second
- Identification Time : 100,000 matches / second (with Intel Core2Duo)
- Programming Languages : VC, VB, C#, VB.NET, JAVA
- Database : Microsoft Access (Sample)
- Encryption : 256 bit AES
- Operating System : Windows 8 / 7 / Vista / XP, Linux

Android



FEATURES

- Fingerprint algorithm library for Android
- Sample application program with source code (Java library with JNI)
- BioMini Slim Scanner

SYSTEM REQUIREMENTS

- Android Version : Android 4.1 (Jelly Bean / API Level 17) or above
- H/W Requirement : Quad-Core 1.7GHz, RAM 2GB
- Supported platform : ARMeabi / ARMeabi-V7a / x86
- Supported programming language : Java (Java library with JNI)
- Supported scanner : BioMini Slim, BioMini, SFU-S20, SFU-300

SPECIFICATIONS

- Version : SDK for Android
- Template Size : 1024 Bytes (Configurable)
- Enrollment Time : > 0.3 sec
- Verification Time : > 0.1 sec
- Matcher : 1:1
- Supported Platform : Android Version 4.1 / Jelly Bean/API Level 17 or above

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