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.

suprema

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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
	Image Size (W x H pixels)	288 x 320
H/W	Interface	USB 2.0 Hight Speed
	Operating Temperature(℃)	-10~50℃
	Operating humidity	10 ~ 90% RH
	Ingress Protection	IP65(Sensor Surface)
	Dimensions (W x L x Hmm)	66 x 90 x 58
	Weight (Kg)	0.12
S/W	Windows	Windows XP, Vista, 7, 8, 8.1, 10 32/64bit
	Linux	Ubuntu, Debian, Fedora, OpenSUSE, Cent OS 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