

SUPrema BioMini Combo

Automatic Smart Card Reader with USB Fingerprint Scanner

Slim Optical Sensor
Rugged IP65 Dust & Water Protection
Advanced Live Finger Detection
Large Platen Size (0.71" X 1.0")



| BioMini Combo | Suprema BioMini Combo has been designed specially to provide high leveled dual-authentication security solution for desktop PC and complex network environments. With its proven reliability, BioMini Combo features advanced live finger detection (LFD) technology. Packed in an ergonomic design, it features Suprema's latest slim 500dpi optical sensor with large platen size for easier capturing and contact smart card reader for stronger authentication. Combined with its comprehensive SDK solution, BioMini Combo offers superb hardware and software compatibility makes it an ideal platform for developers.



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BioMini Combo Features



- NIST certified interoperable image & template format standards (ANSI-378 / ISO 19794-2, ISO 19794-4)
- Image Compression Standard (WSQ)



- Advanced Live Finger Detection (LFD) Technology
- World's best performing fingerprint algorithm : Top results in NIST MINEX tests and FVC
- Template extractor and matcher
- Fast matching speed : 100,000 match / second (with Intel Core 2 Duo)



- USB 2.0 High speed interface
- Supports multiple device handling
- Automatic finger placement detection
- Ergonomic indication LED



- 500 dpi optical fingerprint sensor
- Large Platen Size : 0.71" X 1.0" (18.0mm x 25.4mm) (FAP20 standard: 0.6" x 0.8")



- Compliant with ISO 7816 Contact Smartcard and EMV 2000 version 4.1
- Transmission rate : 2 Kbps to 500 kbps
- Supports 5V (55mA), 3V (50mA), 1.8V (20mA) Smart Card
- Supports SAM Slot (Optional)



- BioMini SDK for easy application software development
- Supports MS Windows / Linux
- Supports multiple programming languages : VC++, VB, C#, VB.NET, Java
- Multi-threaded code design fully utilizing multi-core CPU power

BioMini Combo Specifications

Fingerprint Sensor	Optical
Resolution	500 dpi / 256 gray
Platen Size	18.0mm x 25.4mm (0.71" x 1.0")
Sensing Area	17.0 x 25.0 mm (0.67" x 0.99")
Image Size	320 x 480 pixels
Interface	USB 2.0 High Speed
Operating System	Microsoft Windows / Linux
Operating Temp.	-10 ~ 50℃
Certification	CE, FCC, KCC, CB, WHQL, USB-IF, WEEE
Smart Card	ISO 7816 and EMV 2000 Contact Smart Card with SAM Slot (Optional)
Size (W x L X H)	95.7 mm x 114.8 mm x 52.6 mm

BioMini Combo SDK Specifications

Template Size	384 Bytes (Configurable)
Enrollment Time	< 0.1 second
Verification Time	< 0.1 second
Identification Time	100,000 matches / second (with Intel Core 2 Duo)
Programming Languages	VC, VB, C#, VB.NET, JAVA
Database	Microsoft Access (Sample)
Encryption	256 bit AES
Operating System	Windows 8 / 7 / Vista / XP, Linux (Selected version only)