



AKB8120

SiPass

Fingertip Starter Kit

- **Connection to «SiPass networked» and «SiPass integrated»**
- **Fingertip reader with software**
- **Stores and compares up to 450 fingertip data per reader**

Biometric systems are often required for sensible areas, where security of persons or goods are important. For this purpose, we offer a Fingertip solution in combination with «SiPass networked» or «SiPass integrated» . A Starter Kit is available which contains a reader, the software and the accessories to install, configure and use you first door.

The fingertip reader, which is intended for Access Control applications, can be used either in identification mode (the user is identified by fingerprint data only) or in verification mode (a PIN-code is entered as reference for the stored template to be compared with the actual fingerprint).

The software BIO FTM is used to manage the biometric information of the fingertips. A comfortable user menu will guide you to the enrolment of each finger pattern. These patterns will be then downloaded to each reader.

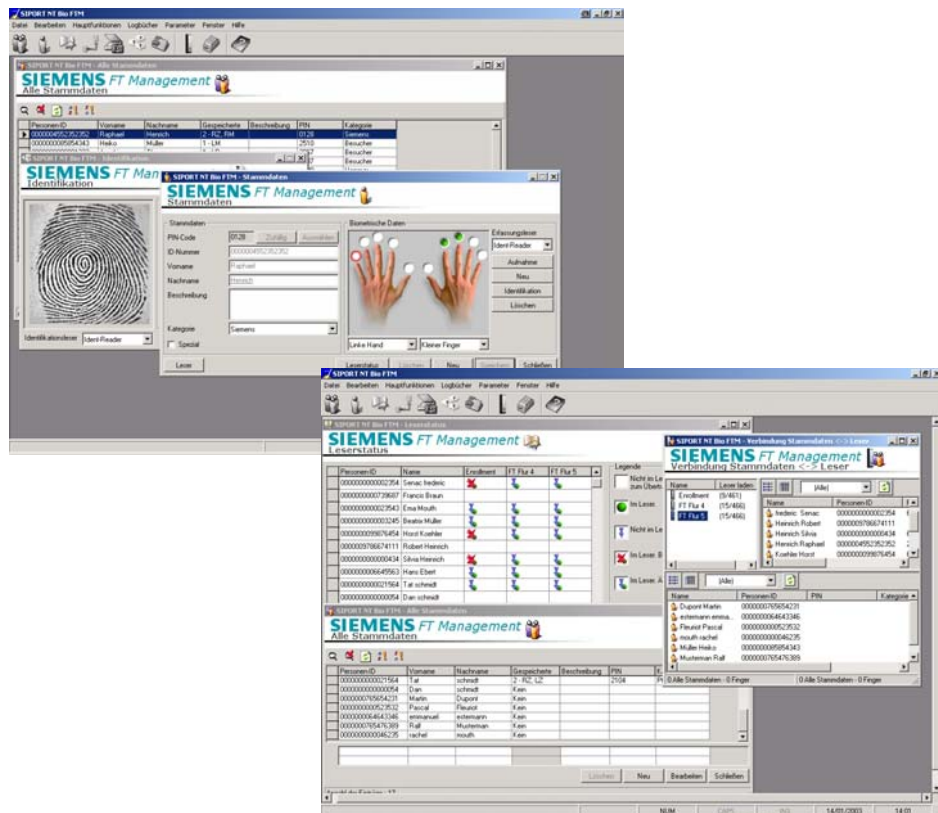
Features Fingertip reader AR6332-BI



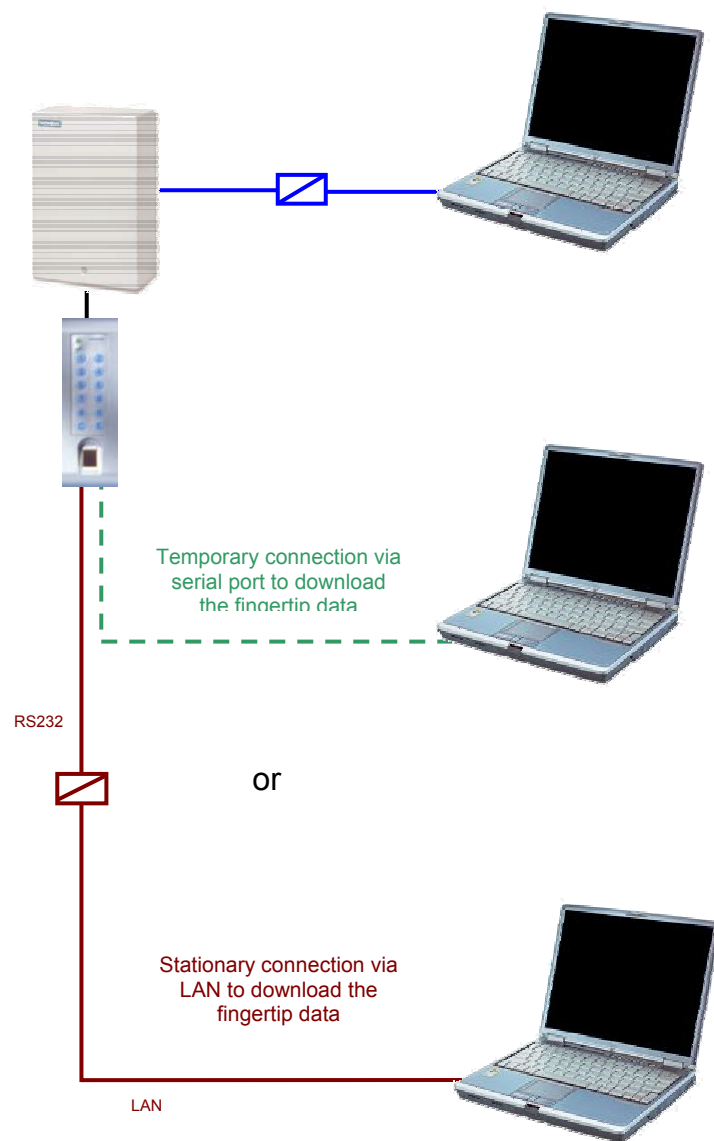
- Reads the fingerprint information and compares it with a fingerprint template of the user that has been previously stored in the reader with the Bio FTM application. An ID Number of the identified person will then be transmitted to the SiPass Access Control System for further processing.
- Connection to «SiPass networked» and «SiPass integrated» via Dual Reader Controller/Interface
- The fingerprint templates are stored in a coded form in the reader memory.
- Identification or verification of the fingerprint templates: DIP-switch for functionality selection (Identification or Verification with PIN).
- Identification mode is recommended to be used only in cases where a low number of templates are stored in the database! (generally maximum 100 fingers).
- Flash-Memory for Firmware updates.
- Two LEDs, yellow and red/green, for status display and buzzer for audible signals.
- SiPass reader-protocol (reader address 1 to 16).
- Reader power from the power supply of the door controller.
- Data transmission to the Bio FTM application using special RS232 connection. The reader can either be connected directly to a serial PC port or to the LAN via the ANC1616-B device.
- Keypad, 12 keys: 10 keys 0 – 9, C- and E-key.
- Special finger guide for an optimal finger placement (patent pending).
- The Fingerprint reader can store and compare up to 450 fingerprint templates.
- Every enrolled person can store up to 10 fingers.
- The security level is set at $FAR < 10^{-5}$ and $FRR < 5 \times 10^{-3}$
- For indoor applications only.

Features BIO FTM software

- Fingerprint templates management
- Comfortable, intuitive operation („Windows Look and Feel“)
- Password protected operation
- Possible interface with the access control product
- Logbook functionality for transaction logging (system logbook, error logbook)
- Identification or verification with PIN
- Mobile station functionality
- Fingerprint download serial or via LAN
- Data encryption on the LAN interface
- Automatic templates synchronization
- Possible management by “Drag and drop”
- Backup solution is available in verification mode
- Visualization of the real fingerprint image
- Visualization of the system status for possible delayed updates
- IRC: Intelligent Reader Capacity calculation
- FSS: Finger Surface Storage. 3 pictures are taken for each finger
- Multi-station management
- Multi-language software (translation tool available if ordered)



Configuration example with «SiPass networked»



Scope of delivery Fingertip Starter Kit

- 1 Fingertip reader with keypad
- 1 BIO FTM Software including documentation (EN/DE)
- 1 Serial cable to download the fingertip information from PC to fingertip reader

Technical data fingertip reader AR6332-BI

Power supply	12 V DC (+/- 3V)
Current consumption	Max. 100 mA
Operating temperature	0 to +50 °C
Keypad	> 50.000 operations
Colour	Similar RAL 9006
Protection class	IP54 with seal
Standards	89/336/EWG
Connectivity	RS485 bus with SiPass reader protocol Serial connection to PC or to ANC1616-B
Dimensions (W x H x D)	147mm x 48mm x 30mm
Material	PC / ABS plastic (injection moulding), painted
ESD Protection	8kV air discharge on the sensor surface
Error Rates	FAR<10 ⁻⁵ , FRR< 5x10 ⁻³
Booking times	Identification mode: 1s encoding + 30ms/stored finger Verification mode: 1s
Power supply	12 V DC (+/- 3V)
Current consumption	Max. 100 mA
Operating temperature	0 to +50 °C
Keypad	> 50.000 operations

System requirements software BIO FTM

Operating system	Windows NT4.0 (SP6) / Windows 2000 (SP2)
Processor	Pentium III or higher
RAM	min. 256 MB
Hard disc capacity	2 GB
Interface	Serial interface

Details for ordering

Type	Part no	Designation	Weight
AKB8120	6FL7173-8KA	SiPass Fingertip Starter Kit	

Option

Type	Part no	Designation	Weight
AR6332-BI	6FL7173-8AA	Fingertip reader	0,2 kg
ANC1616-B	6FL7023-8AA	RS232/LAN Converter	0,4 kg
AAB8030	6FL7173-8BC	4-wires cable with 25-pol. Connector (connection to the ANC1616-B device)	0,2 kg

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