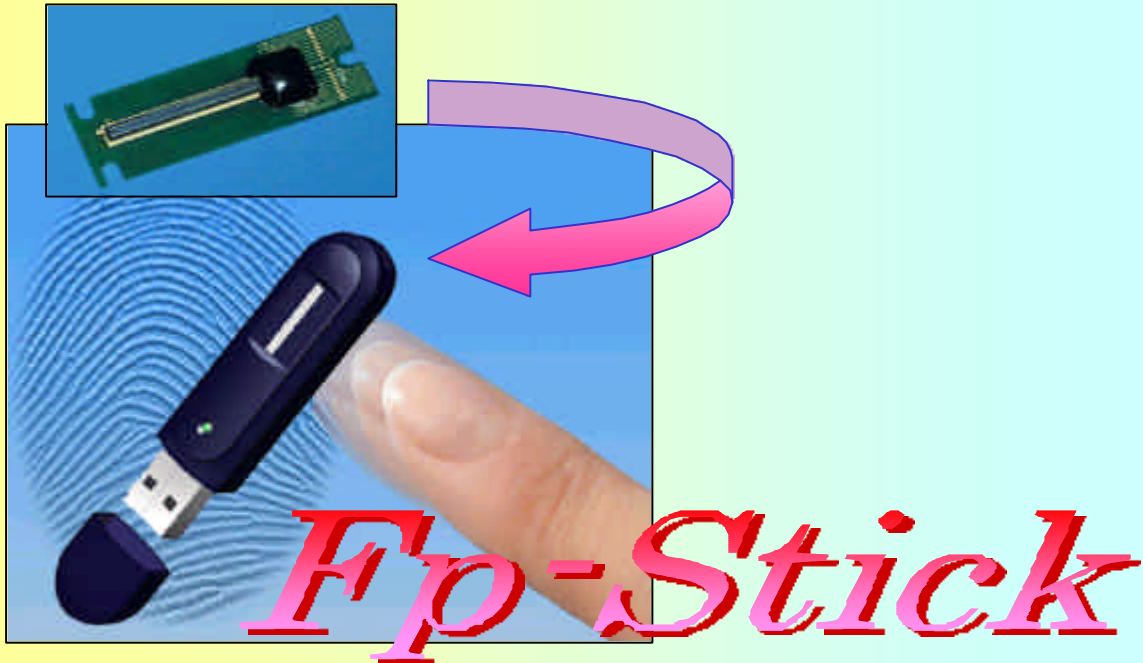# Pocket size fingerprint authentication tool

of ATMEL

Fp-Stick

Pocket size fingerprint authentication tool

The **FP-Stick** is a very small unit made up of the **FingerChip** of **ATMEL**, and a USB plug.
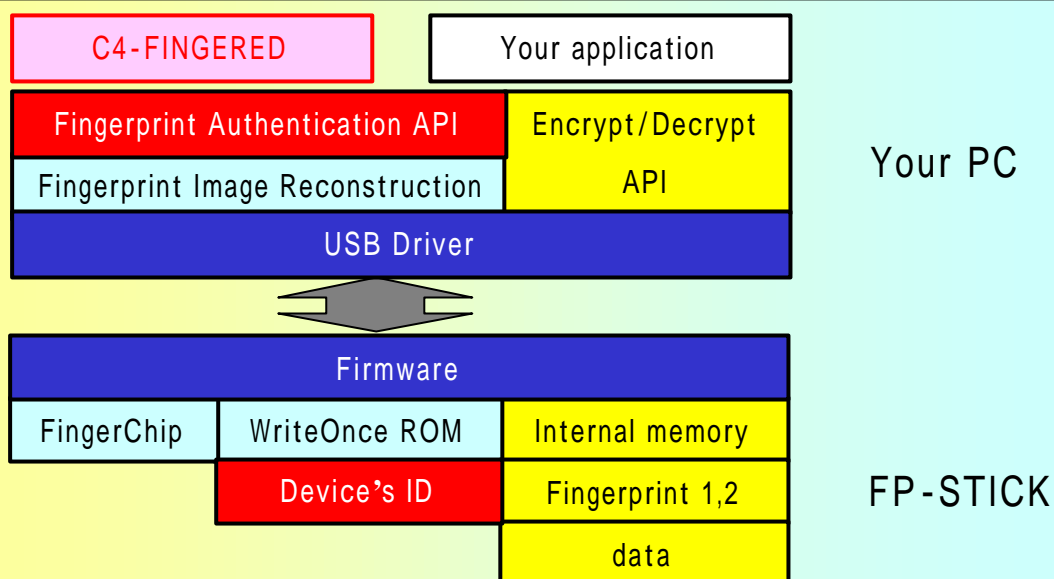
Reading an fingerprint images

Fingerprints are input with The **FP-Stick** by sweeping finger across the **FingerChip**.

Authentication

Fingerprint information (Fingerprint templates) of the proper owner of the **FP-Stick** is prerecorded in a memory unit of the **FP-Stick**, and authentication of the proper owner is performed by matching the acquired fingerprint image with the prerecorded fingerprint template

Encrypted Fingerprint Template

The fingerprint templates in the memory of the **FP-Stick** are recorded in an encrypted form which is decrypted when fingerprint authentication is performed.

C4 FINGERED	Your application

Fingerprint Authentication API	Encrypt/Decrypt
Fingerprint Image Reconstruction	API

USB Driver

Your PC

Firmware

FingerChip	WriteOnce ROM	Internal memory
	Device's ID	Fingerprint 1,2
		data

FP-STICK

Fp-Stick

FP-STICK specification

- OS   Windows 2000,XP
- Fingerprint authentication algorithm   Minutiae method
- Verification accuracy   0.1%or less FRR, 0.01%or less FAR
- Normally recorded fingerprint templates   2 fingers
- CMOS silicon chip fingerprint sensor   FingerChip of ATMEL, U.S.A
- Fingerprint sensing   Thermal imaging by 'Sweeping'
- Resistant abrasion   3 million finger 'Sweeping'
- Image sensing area and resolution .   0.4mm x 14mm / 500dpi
- Memory size   Approx. 20kbytes
- Environment   temperature 0 70

C4 -Fingered (Information Security Management Software Package)

- Security level management program   (Set security level to each users)
- Events management program   (Access log management)
- Log-on control function   (Set levels for ID or Fingerprint)
- Screen saver function   (Start loading authentication by right click and cancel after authentication is completed)
- File protect function   (Encrypt folders and files)
- 'Shredder' function   (Unable reconstruction when files and folders are deleted)

*The C4-Fingered is a joint production of Focus Systems Co.,Ltd and Technoimagia Co., Ltd

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Focus Systems

Technoimagia Co.,Ltd
1-8-8,RYOGOKU,SUMIDA-KU,TOKYO,130-0026,JAPAN
TEL +81-3-5600-0980   FAX +81-3-5600-098
URL:htp://www.technoimagia.co.jp
E-mail:takaishi@technoimagia.co.jp