

FINGERPRINT PC SOLUTION

DIGENT

FM/FD1000 SERIES - Optical Fingerprint Scanning Mouse/Device



IZZIX FM1000



IZZIX FD1000

■ DESCRIPTION

IZZIXFINGERENGINE(Fingerprint Recognition Algorithm) follows the commonly accepted fingerprint identification scheme, which uses a set of specific fingerprint feature points(minutiae). However, it contains many powerful algorithmic solutions, which enhance the system performance and reliability. Some of them are listed below:

- Image Quality Check Algorithm
- Efficient Image Enhancement Algorithm
- Fully Tolerant to Fingerprint Distortion and Rotation Matching Algorithm
- Fingerprint Enroll Mode with Feature Collection
- Database Classification and Pre-Sorting by Global Feature Vector
- Suitable Algorithm to 1:1 and 1:N Mode

IZZIX SDK has given great consideration to security and user privacy issues. Fingerprint templates are always returned in encrypted form from the recognition engine and user entries are stored encrypted in the database. Furthermore, user entries are stored cannot be matched against themselves. They are only decrypted by internal decryption scheme in Recognition Engine.

More than Perfect!

■ SPECIAL FEATURES

- Internally developed fingerprint authentication algorithm with fast & accurate authentication rate
- Free yourself from remembering many different passwords
- Reduce administrative cost – No more periodic change of password
- More reliable way to secure confidential information

■ APPLICATION

- PC Security – regulate PC access and data security
- Document Security – secure personal e-mails
- Regulate accessibility of electronic payment & transferring data on the network
- Internet login using fingerprint authentication

This specification is subject to change without prior notice.

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DIGENT - Advanced Fingerprint Security Solution

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www.digent.com

Refer to Manual for details and usage specification

IZZIXFINGERENGINE SPECIFICATION

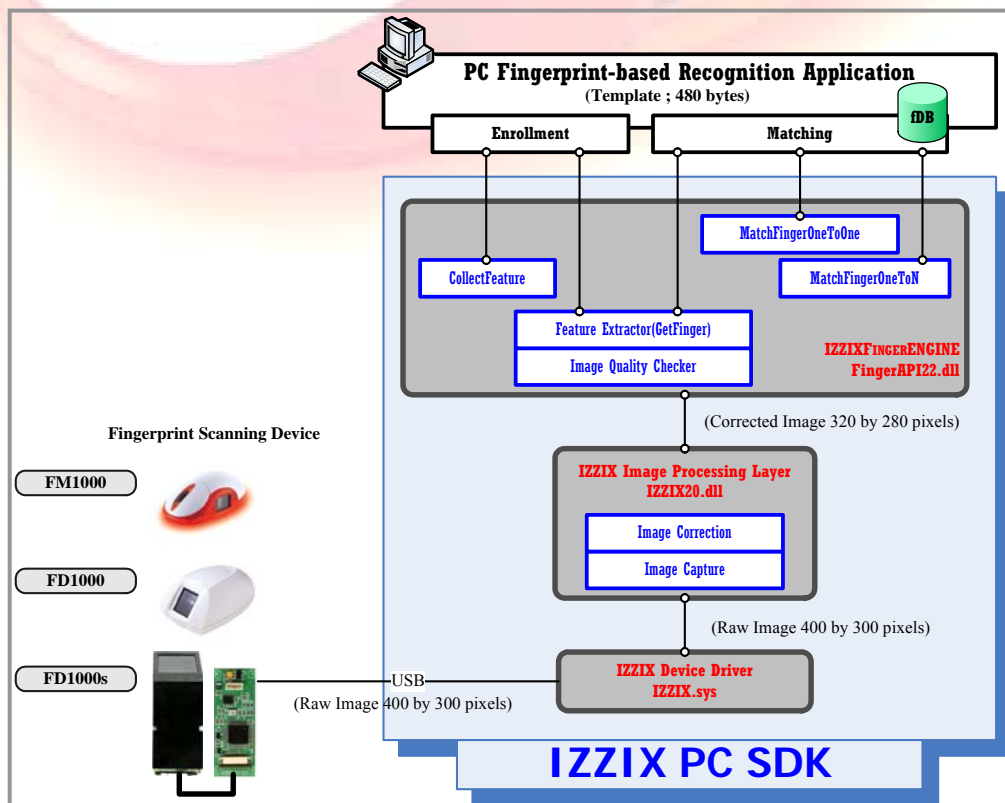
FAR(False Acceptance Rate)	≤ 0.0001%
FRR(False Rejection Rate)	≤ 1%
Authentication Speed	≥ 0.2 sec
Template Size	480 Bytes
Fingerprint Rotation Range	0° ~ 360°
Matching Security Level	3 Levels
Supported OS	Microsoft Windows 98/ME/NT/2000 Microsoft Windows XP/Vista/2003 32/64bit

SCANNER SPECIFICATION

	FM1000	FD1000
Fingerprint Sensor	Optical	Optical
Resolution	500dpi / 256gray	500dpi / 256gray
Window Size	18.8 × 16 mm	18.8 × 16 mm
Fingerprint Image Size	320×280	320×280
Interface	USB 1.1 Full Speed	USB 1.1 Full Speed
Operating Temperature	0°C~40°C	0°C~40°C
Dimension(W×L×H)	68 × 120 × 41 mm	55 × 84 × 36 mm
Weights(gr.)	145	102
Color	Ivory/Orange	Ivory
Others	3buttons Optical Wheel Mouse, 800cpi	Stand-alone

IZZIX SDK(Software Development Kit)

- ❑ Hardware Device Driver
- ❑ IZZIXFINGERENGINE(Fingerprint Recognition Algorithm, FingerAPI22)
- ❑ Sample Application Program with source code
- ❑ Technical documents
- ❑ Fingerprint Scanner ; FM1000 and FD1000



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