

FINGERPRINT PC SOLUTION

FD2000 SERIES - Optical Fingerprint Scanning Device

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

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

This specification is subject to change without prior notice.

October 27, 2008

DIGENT - Advanced Fingerprint Security Solution

Rev. 2.0

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Refer to Manual for details and usage specification

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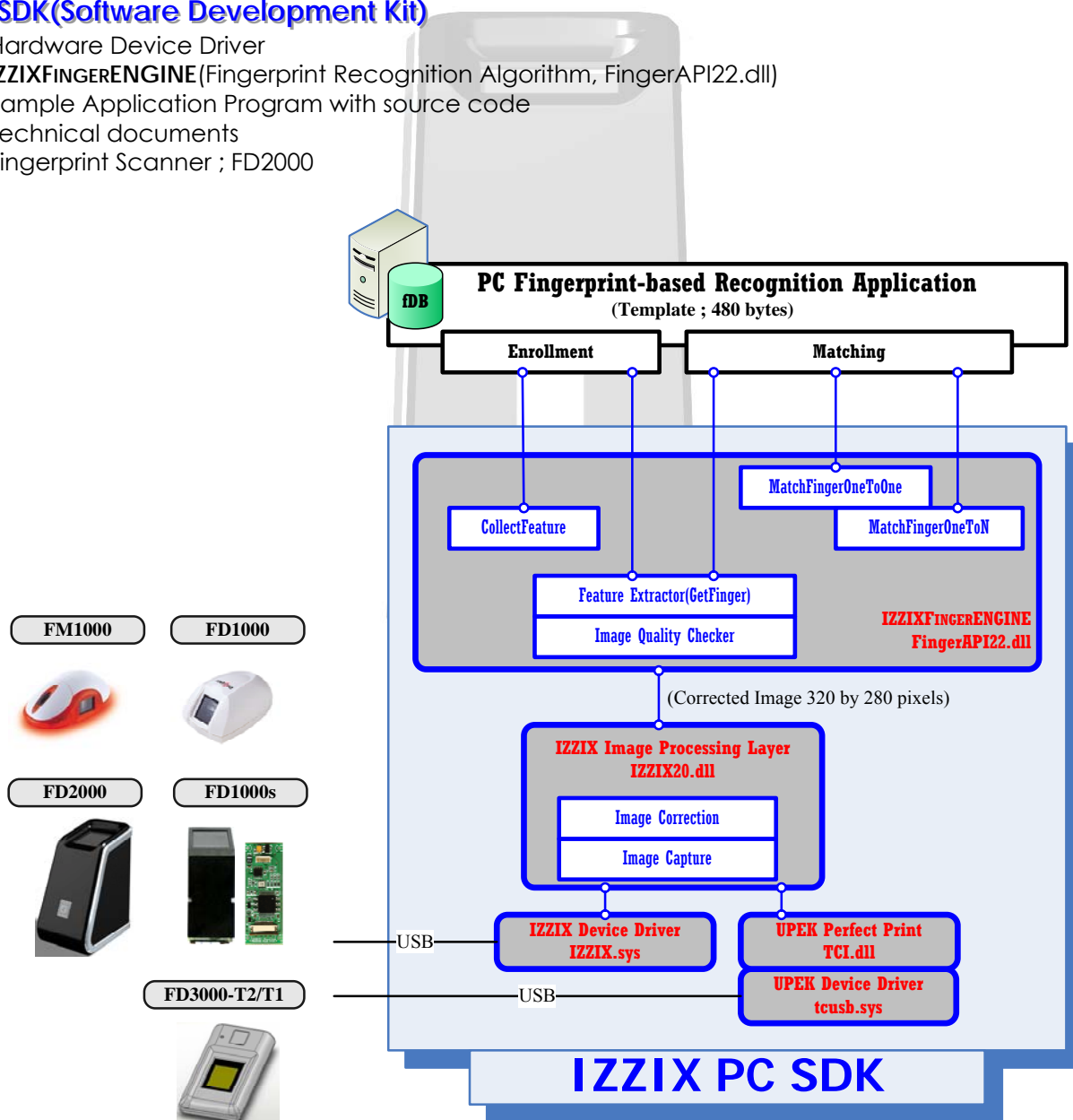


SCANNER SPECIFICATION

FD2000		
Fingerprint Sensor	Optical	USB Cable Type 30cm
Resolution	500dpi / 256gray	
Window Size	18.8 × 16 mm	150cm
Fingerprint Image Size	320×280 pixels	
Interface	USB 1.1 Full Speed	
Operating Temperature	0°C~40°C	
Dimension(W×L×H)	38 × 62 × 75 mm	
Weights(gr.)	< 91 (body) USB cable - 30cm ; < 17 - 150cm ; < 44	
Color	Black, White, Red	
Others	separable USB-A to Mini-B cable – 30cm or 150cm	

IZZIX SDK(Software Development Kit)

- ❑ Hardware Device Driver
- ❑ **IZZIXFINGERENGINE**(Fingerprint Recognition Algorithm, FingerAPI22.dll)
- ❑ Sample Application Program with source code
- ❑ Technical documents
- ❑ Fingerprint Scanner ; FD2000



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