

# **IZZIX CB1000**

Fingerprint Total Solution Provider

*Smart Card Fingerprint*  
**Combination Reader**



**DIGENT**

# CB1000

## ● FEATURES

- Fingerprint sensor & Smart card reader all-in-one type
- Easy registration & authentication
- Fast response time & low error rate
- Upgrade security, productivity, and convenience

## ● APPLICATION

- PC security for employees
- Online banking authentication
- Access restriction to medical history of patients
- Insurance cardholder authentication

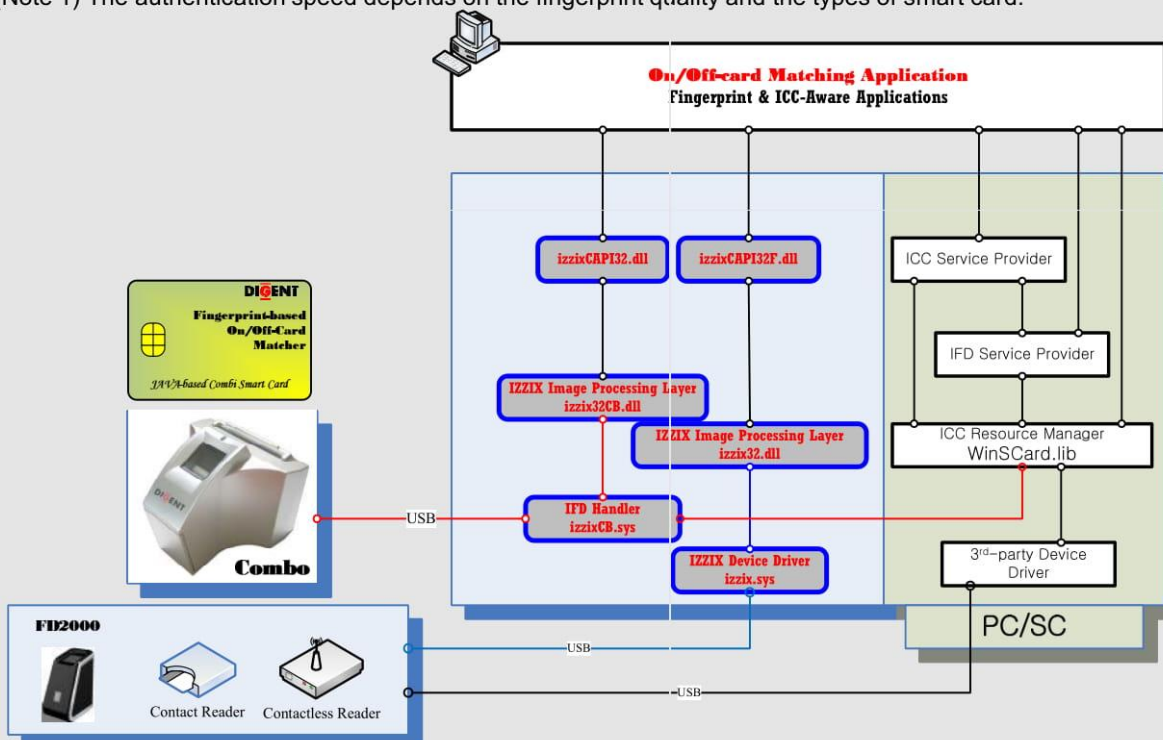
## ● SPECIFICATION

|                            |  |                       |  |
|----------------------------|--|-----------------------|--|
| Fingerprint Sensor         | Optical  | Dimension(W×H×D)      | 88 × 87 × 84 mm                                  |
| Resolution                 | 500dpi / 256gray   | Component             | Fingerprint Sensor, Card Slot and User Indicator |
| Window Size                | 16 × 18.8 mm   | Power                 | USB Bus Power                                    |
| Fingerprint Image Size     | 280 × 320 pixels   | Smart Card Contacts   | 200,000 cycles min                               |
| Interface                  | USB 1.1 Full Speed<br>(USB 2.0 Full Speed compatible)  | Operating Temperature | 0°C ~ 40°C                                       |
| Smart Card Reader Features | <ul style="list-style-type: none"> <li>- Read and write all microprocessor cards(MCU) with T=0 &amp; T=1 protocols</li> <li>- Read and write popular memory card types</li> <li>- Certificate of conformance : ISO 7816-1/2/3, PC/SC, FCC, CE, MIC</li> <li>- Support high speed smart card interface with transfer data rates of up to 115kbps</li> </ul> |                       |  |

\* On-Card Matching ; Biometric matching is performed in the smart card chip.

|                         |  |                      |                        |
|-------------------------|--|----------------------|------------------------|
| Platform                | Java Card 2.1.1 above  | Authentication Speed | 0.3 ~ 1.5 sec (note 1) |
| Code Memory             | < 6 Kbytes   | Template Size        | <512 Bytes             |
| Data Memory             | < 2 Kbytes   | FAR/FRR              | 0.001% / 1%            |
| Template Data Structure | ISO/IEC 19794-2 Finger Minutiae Data (Normal Size Finger Minutiae Format)                |                      |                        |
| Smartcard Specification | ISO 7816 – Contact<br>* The smart card with contactless interface can be also supported. |                      |                        |

(Note 1) The authentication speed depends on the fingerprint quality and the types of smart card.



※ This specification is subject to change without prior notice.

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