CDTMOC18

Biometric smart card reader with best-in-class performance & security

- ❖ Thai National ID-card systems
- ❖ Biometric authentication
- ❖ Optimized for Precise Match-on-Card™
- ❖ Secure yet flexible implementation
- ❖ Fast, user-friendly operation

The CDG, CDTMOC18 smart card readers builds on advanced yet cost-effective technology that delivers outstanding performance with the highest level of compatibility.

Match on Card on Device means:

The fingerprint template is kept on the card and never leaves the card and is not sent to the host (PC). When the person puts his or her finger on the sensor an image is created and the template is generated in the reader (using Precise Extractor). The template is transferred to the card (within the reader) and the matching is done on the card.

CDG
Control Data (Thailand) Ltd.

TECHNICAL SPECIFICATIONS

Smart card reader

↓ Host interface

- High and Full Speed USB 2.0

↓ Smart card interface

- ISO/IEC 7816 (T=0, T=1), Class A, B and C
- PC/SC and CCID support
- Firmware upgradeable
- 3V and 5V cards

↓ Smart card connector

- ISO 8 contacts (friction)
- Number of insertions (min)   100,000

↓ General

- Card operating frequency   4.8 MHz
- Operating temperature: 0 to +50 Celsius degrees
- Storage temperature: -20 to +70 Celsius degrees
- Operating humidity: 10%-95% rH
- Cable length (m) with USB type A connector   1.8
- Flat Fingerprint Scanner
- Dimension approx.   67 mm. x 116 mm. x 45 mm.
- Weight approx.   160 g.

Biometric sensor

- TCS2SS Tougher SteelCoatT coating
- Durability: 4 million finger placements

↓ Imaging

- Pixel resolution   208 x 288
- Active image area (mm)   10.4 x 14.4
- Image resolution (dpi)   508

Compatibility, Certifications, and Software

↓ OS support

- Windows 32/64 bit (7,8,10)

↓ APIs

- Microsoft PC/SC

↓ Approvals

- FCC
- CE
- VCCi