

# KRIDENTIA KR-1015



Smartcard  
Reader



Fingerprint  
Scanner



MicroUSB



Android  
OS 4.0



Windows  
8.1/8/7/Vista/XP

Android Biometric Smart Card Reader known as Android Plugin Mobile Card Reader. The KR-1015 model built with modern technology for seamless integration focusing with android mobile devices. The KR-1015 come with proprietary APDU command that will help to secure more in data transfer. Additionally, it may be used with Windows because of its PC/SC compliance. The KR-1015 comes with single slot contact smart card and a biometric optical scanner module. It is capable of supporting majority of smartphones and tablets equip with minimum Android 4.0 and USB OTG capability in the market

## KR-1015 SPECIFICATION

### Smartcard (Contact)

- ISO 7816 Standard
- PC/SC 2.0
- Contact card slot with ID-1 size
- Supports I2C memory cards
  - Cards with intelligent 256 bytes EEPROM and write protect function, including: SLE4432, SLE4442, SLE5532, SLE5542
  - Cards with intelligent 1K bytes EEPROM and write-protect function, including: SLE4418, SLE4428, SLE5518, SLE5528
  - Cards with '104' type of EEPROM non-reloadable token counter cards, including: SLE4406, SLE4436, SLE5536, SLE6636
- Certified USB 2.0 Full Speed, USB-IF certified
- ISO 7816 standards
- PC/SC 2.0
- Microsoft Windows Smart Card
- Proprietary command
- Support PPS (Protocol and Parameters Selection)
- Application Programming Interface:
  - Supports PC/SC
  - Supports CT-API (through wrapper on top of PC/SC)

### Fingerprint Scanner

- MorphoSmart™ Biometric Scanner with a safety matches
- Morpho patented optical technology and biometric algorithm
- Resolution : 500dpi @ 8-bit per pixel
- Active Area(mm) : 14 x 22
- Supported Template : Sagem Algorithm
- Supported Standard : ISO 19794 - 2
- Template Format : ANSI 378, RAW/Bitmap, WSQ (License required)
- Storage Capacity : Up to 1000 Templates
- Fingerprint Search : 1:1 & 1:N
- Verification Time : < 0.8 second
- Identification Time : < 1 second
- Certification o FCC, CE, RoHS



### Smartcard Interface

- Interface : MicroUSB (Full OTG) Speed
- Type : Micro USB Male Full Speed
- Power Source : From USB Host power source
- Speed : USB 2.0, 12 Mbps
- Smart Card Interface Standard : ISO7816 Classic A, B, and C (5V, 3V, and 1.8V)
- Protocols : T0 and T1
- Supply Current : 50 mA
- Read/Write Speed : Up to 115200 bps
- Clock Frequency : 4.0 MHz
- Card Connector : Contact
- Card Form Factor : ID-1 size
- Clock Freq : 4MHz

### Fingerprint Scanner

- MorphoSmart™ Biometric Interface
- Model : CBM-V2
- Compliance : MINEX/FIPS201, IP65
- Sensor Area : 18 x 22mm Optical
- Resolution : 500 dpi Grey Scale : 256
- Template Format : ANSI 378, RAW/Bitmap, WSQ (License required)
- Fingerprint Search : 1:1 & 1:N

### Operating System

- Android : v4.0 above
- Windows : Windows® 8.1 / 8 / 7 / Vista / XP

### Programming Language

- Java(Android)
- C++ Programming
- .NET Programming (VB or C#)

### Built-in Indication

- 2 x LED
  - Blue - Power On & Transmitting
  - Red - Error

### Environmental

- Operating Temperature : -10°C to +50°C
- Humidity : 5% to 95% RH, Non-condensing

### Physical Specification

- Dimension : 63mm(L) x 87.3mm(W) x 33mm(H)
- Color : Gray
- Weight : 70gram



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