



## USB Smart/SIM Card Reader

USB 2.0 Type-A, Contact Reader, Compact, External

Part No.: **102032**

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Improve secured data and access protection.

Smart/SIM card technology finds popular applications in security and access control, financial transactions, medical records, loyalty programs, toll and vending collection, enterprise and single-user network sign-on and more that require secure information exchanges. Contact smart/SIM cards have a contact, or "chip," area with several contact pads that, when inserted into a Manhattan USB Smart/SIM Card Reader, can authenticate the user and safely transfer information between the card and the host computer. Smart cards are utilized throughout the world, replacing less secure and less reliable barcode ID and magnetic stripe cards to provide flexible and standard transactions and strong, tamper-resistant authentication with minimal human intervention.

### Quick and Easy Installation

Ideal for desktop and notebook computers without built-in readers, the Manhattan USB Smart/SIM Card Reader is easily installed using any USB port and the included software and driver CD. Plug and play with Windows and Mac compatibility, it requires no external power supply or cables for a simple USB connection.

### Features:

- Compatible with friction-type contact smart/SIM cards
- Ideal for transactions and applications requiring secure information exchanges
- For use with government, healthcare, banking, entertainment and more
- Supports host communication speeds up to 480 Mbps
- Compact and lightweight design — makes storage or travel convenient
- Plug and play — installs quickly and easily
- Three-Year Warranty

### Specifications:

#### Standards and Certifications

- FCC
- CE

- RoHS2
- USB 2.0
- CCID rev 1.1
- EMV2000 Level 1
- CAC

#### General

- Supported cards: Smart card / SIM / micro-SIM & nano-SIM (with SIM bracket, not included)
- Transfer speed: up to 480 Mbps
- CPU card: meets ISO 7816-1, 2, 3, 4 (supports T=0 and T=1 protocols), PC/SC version 1.0/2.0 standard and EMV 4.1
- Memory card: synchronous 2-line, 3-line, SLE4418, 4428, 4432, 4442, AT88SC1608, 45D041 and I2C interface
- PC/SC compliant 1.0/2.0, CT-API software library (SDK)
- LED: power indicator (red), connection indicator (blue), activity indicator (alternating)
- Power: voltage, USB 5 V + 5 %; consumption, 60 mA maximum

#### Ports

- Contact smart / full-size SIM card slot
- Mini-SIM (2FF) card slot

#### Physical

- Integrated USB Type-A cable: 3.5 cm (1.25 in.)
- Weight: 22 g (0.8 oz.)
- Dimensions: 83 x 45 x 15 mm (3.3 x 1.8 x 0.6 in.)
- Housing: ABS

#### Operating Environment

- Operation Temperature: 32 – 104°F (0 – 40°C)
- Storage Temperature: -4 – 140°F (-20 – 60°C)
- Humidity (noncondensing): 0 – 96%

#### System Requirements

- Windows XP/Vista/7/8.1/10 or Mac OS 9 or above or Linux compatible

#### Package Contents

- USB Smart/SIM Card Reader
- Quick Instruction Guide
- CD includes drivers, API library and demonstration program with source code

