

# BlackBerry Smart Card Reader

Making It Easier Than Ever to Comply  
with Operational Requirements for  
Multi-factor Authentication



For more information

[www.blackberry.com/go/smartcardreader](http://www.blackberry.com/go/smartcardreader)

To Purchase BlackBerry Smart Card Reader

Web: [www.blackberry.com/go/smartcardreader](http://www.blackberry.com/go/smartcardreader)

Phone: 1-800-327-9085

Email: [sales@blackberry.com](mailto:sales@blackberry.com)

Or contact your wireless service provider.



A small, lightweight and wearable smart card reader that enables controlled access to BlackBerry® smartphones and computers so you can communicate without compromise.

\* Requires BlackBerry Enterprise Software v4.0.2 or higher.

† Available for BlackBerry Enterprise Server for Microsoft® Exchange and BlackBerry Enterprise Server for IBM® Lotus® Domino® only.

‡ Requires appropriate software drivers.

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## The BlackBerry Smart Card Reader builds on the security, flexibility and mobility of the trusted BlackBerry Enterprise Solution.

The BlackBerry Smart Card Reader is designed to allow mobile personnel to meet operational requirements for using multi-factor authentication with Bluetooth®-enabled Microsoft® Windows® computers, BlackBerry smartphones, PKI applications and for highly secure web browsing—without negatively impacting the user experience.

The BlackBerry Smart Card Reader can replace serial or USB based card readers, even if your organization has not deployed a BlackBerry solution. This enables you to benefit from un-tethered access to your smart card credentials from your desktop or laptop computer.

### Prevent Unauthorized Access

The BlackBerry Smart Card Reader is designed to solve a fundamental security concern for organizations, helping eliminate unauthorized access to unlocked computers and BlackBerry smartphones.

Instead of inserting the smart card into a stationary reader or bulky peripheral attachment which can easily be left behind, users insert a smart card into this lightweight reader and wear it on a lanyard, causing smartphones and computers to lock when the user is not in proximity.

### S/MIME Support

The BlackBerry Smart Card Reader works with certificates on smart cards to leverage your organization's S/MIME infrastructure and is designed to enable your employees to digitally sign and encrypt messages on either their BlackBerry smartphones or computers to provide sender-to-recipient security.

### Advanced Security Features

When used with the BlackBerry® Enterprise Solution, the BlackBerry Smart Card Reader supports advanced security features to help meet IT and public sector requirements, including:

- AES-256 encryption
- FIPS 140-2 validated encryption module
- S/MIME support
- Wireless IT policy enforcement on smartphones



## The BlackBerry Smart Card Reader is designed to minimize the impact of operational requirements on users, making it easier for them to comply with your security policies.

**The BlackBerry Smart Card Reader can help your organization:**

### Increase Security Compliance

Increasing the convenience and comfort of using smart cards with BlackBerry smartphones and computers helps to ensure that users comply with organizational security directives. Using IT policy controls, BlackBerry smartphones and computers can be configured to lock if the BlackBerry Smart Card Reader goes out of range, rendering the smartphone or computer unusable and information inaccessible until proximity is restored and user authentication requirements have been met.

### Meet Strict Government Security Requirements

FIPS 140-2 validated encryption technology. Built on the proven BlackBerry® Java® Virtual Machine (BlackBerry JVM), the BlackBerry Smart Card Reader uses an AES-256 encryption overlay for Bluetooth. It allows organizations using smart cards to add additional security features to the BlackBerry Enterprise Solution security architecture.

### Provide an Enhanced User Experience Compared With Competing Solutions

The slim, lightweight BlackBerry Smart Card Reader features long battery life and Bluetooth technology that allows users to comfortably wear the reader on a lanyard. No more heavy peripherals or bulky smartphone attachments are required for authenticating to BlackBerry smartphones or computers with smart cards.

### Manage Key Lifetimes Wirelessly

System administrators gain additional control over the wireless environment with the ability to wirelessly manage security key lifetimes on the BlackBerry Smart Card Reader through the BlackBerry® Enterprise Server.\*

### Specifications:

- Size: (L x W x H) 3.98 x 2.4 x 0.57 in. (101.16 x 60.96 x 14.51 mm)
- Weight: approximately 2.26 oz. (64.1 g) including lithium-ion battery
- User Input: Dual button control
- Card Standards: ISO 7816 and T=0 and T=1 protocols  
Windows Hardware Quality Labs and PC/SC Compliant
- Memory: 8-MB flash memory, 4-MB SRAM
- LCD: Passive Dotmatrix (47 x 20 pixels with icons)  
(25.46 x 15.25 mm)
- Smart Card: ISO 7816 compliant (1.8V/3.0V/5.0V interfaces)

### Security:

- IT Policy to control lifetime of keys on reader and BlackBerry smartphone
- Certified AES-256 Bluetooth security overlay
- FIPS 140-2 validated encryption module
- Tightly integrated with the S/MIME Support Package for the BlackBerry Enterprise Solution

### System Requirements and Compatibility

The BlackBerry Smart Card Reader works with:

- BlackBerry Enterprise Server software v3.6 and higher
- All Bluetooth-enabled BlackBerry smartphones running software v4.1 and later
- A Bluetooth-enabled computer with Windows® XP Service Pack 2 or later or Windows Vista™
- All ISO 7816 compliant smart cards (1.8V/3.0V/5.0V interfaces)
- Out of the box support for Personal Identity Verification (PIV) cards, Common Access Cards (CAC) and SafeNet® 330 cards

Third parties are able to implement support for any smart card using the published BlackBerry Smart Card APIs. For more information, please visit [www.blackberry.com/go/smartcarddrivers](http://www.blackberry.com/go/smartcarddrivers)

### Power:

- Battery: non-removable, rechargeable lithium-ion cell (charge capacity: 900mAh) that is compatible with existing micro-USB BlackBerry chargers
- Port: micro-USB compatible port for data synchronization and charging

### Bluetooth radio specifications:

Support for version 2.0 with AES-256 encryption security overlay

- Single-band support: ISM 2.4 GHz
- Power class: Bluetooth® Class 2
- Transmitting and receiving frequency