



**BioSmartcard**  
**The ultimate**  
**PKI Protection**

### BioSmartCard SM-BSCS-1A Biometric Smartcard Reader

Fingerprint ID sensor with smart IC card offers extra security for PC or laptop users. Perfect for where any smart card and fingerprint biometrics secured application is required.

### BioSmartcard Features

- ▶ Fingerprint ID Security rather than PIN Number
- ▶ Complies with PC/SC standard and officially approved by Microsoft
- ▶ Chip sensor for 3D-Live-Scan of fingerprint minutiae
- ▶ Fingerprint verification time is < 1 second
- ▶ Plug & Play. Setup program with drivers, API library & demo
- ▶ PKI user identification, data encryption and digital signature
- ▶ Works with Verisign, Windows CA

### Specifications

- ▶ Platform: Windows 95/98/ME/2000/XP/CE3.0
- ▶ Hardware Interface: Male USB 4 Pin connector
- ▶ API Support: PC/SC compliant, Proprietary API, CT-API, PKCS#11 V2.10, Microsoft CAPI with DigiCrypto CSP, X.509 v3 Certificates, SSL v3
- ▶ Certifications: UL, CNS, FCC, CE, EMV Level 1
- ▶ Dimension: 85 (H) × 55 (W) × 15 (L) mm Weight: 160g
- ▶ Power Consumption: 5V±5%, 80mA powered by USB hub for BioSC & card
- ▶ Card Slot Durability: Friction type with over 200,000 cycles
- ▶ CPU card: Comply with ISO7816-1, 2,3 and4; T=1 and T=0 protocol
- ▶ Memory card: Synchronous 2-line, 3-line & I2C Interface

### Smartcard Specification

- ▶ Platform: Windows XP, 2000, NT, 98
- ▶ Processor: High Speed Micro-controller
- ▶ Memory: EEPROM: 8/16/32/64 K
- ▶ Security: DES, 3DES, RSA
- ▶ Standard: ISO-7816 part 1,2,3,4
- ▶ EEPROM RE-write: Min 100,000 write/read cycles
- ▶ API & Standards: PKCS#11 v2.10 Microsoft CAPI with DigiCrypto CSP X.509 v3, SSL v3
- ▶ Cryptographic Mechanisms: 5 PKCS#11: (RSA, DES, 3DES, MD5, MD2, SHA-1)

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