**HID**®

# OMNIKEY® 4040
# Mobile PCMCIA

## MOBILE CONTACT SMART CARD READER

- **Plug-and-Play** – Designed to facilitate easy device installation with high-quality drivers* for all major PC operating systems
- **Readily Compliant** – Meets all relevant industry standards for smooth integration in PC environment
- **Convenient and Reliable** – Robust metal housing
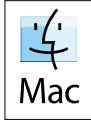- **Suits Any Application** – Compatible with virtually any contact smart card and major PC operating system

The OMNIKEY® 4040 reader is designed to secure laptops or other mobile devices using smart card technology that can be connected via PCMCIA. Small and handy, these mobile smart card readers offer the same first-class technology as our desktop versions. Compliant with all major industry standards, the 4040 reader is compatible with virtually any contact smart card, operating system and application, making it the preferred solutions for integration into notebooks, PDAs or other PC bus-based systems.

\* For driver download, please visit www.omnikey.com.

## FEATURES:

- Designed to meet all major standards, including ISO 7816, EMV (Europay®, Mastercard®, Visa®) 2000, Microsoft WHQL, PC / SC, HBCI (Home Banking Computer Interface) and PC-2001 Specification

- Readers work well with all relevant industry standards, including PC / SC, CT-API or OCF (Open Card Framework)

- Utilizes the OMNIKEY® Smart@Bus Chipset

- Meets GSA FIPS 201 requirements

- Robust metal housing for added durability

- Data transmission speed to the card for up to 420 Kbps

- Supports all major operating systems

- Reader can be customized with company logo or corporate colors

- Provides added security for mobile devices against unauthorized access or unsecured remote log-on to networks

## SPECIFICATIONS

| | |
|---|---|
| **Base Model Number** | OMNIKEY® 4040 |
| **Dimensions** | 3.35" x 2.13" x 0.2" (85 x 54 x 5 mm) |
| **Weight** | 2.12 oz (60 g) |
| **Power Supply** | PCMCIA slot |
| **Operating Temperature** | 32–131 °F (0–55 °C) |
| **Operating Humidity** | 10–90% rH |
| **HOST INTERFACE** | |
| **Host Interface** | PCMCIA |
| **Transmission Speed** | 16 Mbps |
| **SMART CARD INTERFACE** | |
| **Standards** | ISO 7816 & EMV² 2000 Level 1 |
| **Protocols** | T=0, T=1, 2-wire: SLE 4432/42 (S=10); 3-wire: SLE 4418/28 (S=9), I²C (S=8) |
| **Card Size** | ID-1 (full size) |
| **Smart Card Interface Speed** | 420 Kbps (when supported by card) |
| **Smart Card Clock Frequency** | Up to 8 MHz |
| **Supported Card Types** | 5V, 3V and 1.8V Smart Cards, ISO 7816 Class A, B and C |
| **Power to Smart Card** | 60 mA |
| **Smart Card Detection** | Movement detection with auto power-off / Automatic detection of smart card type / Short circuit and thermal protection |
| **8-Pin Handling** | C4 / C8 supported |
| **Supported APIs** | PC / SC driver (ready for 2.01), CT-API (on top of PC / SC), Synchronous-API (on top of PC / SC), OCF (on top of PC / SC) |
| **PC / SC Driver Support** | Windows® 2000 / XP (32 bit), 2003 Server, 2008 Server, Windows® CE 5.0 / CE.NET / CE 6.0 (depending on hardware), Windows® XP (64 bit), Windows® Vista (32 bit / 64 bit), Windows 7 (32 bit / 64 bit), Linux® |
| **Embedded Technology** | OMNIKEY Smart@Bus Chipset |
| **Color** | Silver |
| **Options** | Customer-specific logo, label and colors: available upon request |
| **Composition** | Stainless steel |
| **Durability** | 30,000 insertions |
| **Meantime Between Failure (MTBF)** | 500,000 hours |
| **Compliance / Certification** | Microsoft® WHQL³, EMV² 2000 Level 1, ISO 7816, HBCI⁴, USB 2.0 (USB 1.1 compatible), CCID¹, GSA FIPS 201 approved product list |
| **Safety / Environmental** | CE, WEEE, FCC, UL, VCCI, MIC, RoHS |
| **Warranty** | Two-year manufacturer's warranty. (For drivers, see complete lifetime support policy.) |

1 = Chip Card Interface Device, 2 = Europay® MasterCard® Visa®, 3 = Windows® Hardware Quality Lab, 4 = Homebanking Computer Interface