

OMNIKEY® Mobile Reader



OMNIKEY® 4321 Mobile ExpressCard™ 54

ASSA ABLOY Identification Technologies (ITG), with its product brand OMNIKEY® one of the world's leading manufacturers of innovative smart card readers, offers with the OMNIKEY® 4321 a smart card reader that can be used in laptops and PDAs with the new ExpressCard™ interface. The OMNIKEY technology and drivers guarantee the highest level of interoperability and stability in conjunction with this standard.

Main features:

- ExpressCard™ interface
- Robust metal housing
- Lip for convenient card insertion
- USB driver architecture
- High speed data transmission
- All major operating systems supported

| Host Interface | |
|---------------------------------|--|
| Host Interface | ExpressCard™ 54mm |
| Transmission speed | 12 Mbps (USB 2.0 full speed) |
| Power supply | Bus powered |
| Smart Card Interface | |
| Standards | ISO 7816 & EMV ² 2000 Level 1 |
| Protocols | T=0, T=1, 2-wire: SLE 4432/42 (S=10), 3-wire: SLE 4418/28 (S=9), I ² C (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, AB 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 |
| Other Features | |
| Insertion | Lip for easier insertion |
| Options | |
| Customer specific logo or label | On request |

| 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® 98 / ME, 2000 / XP (32bit), 2003 Server | |
| Windows® CE 5.0 / CE.NET (depending on hardware) | |
| Windows® XP 64bit (AMD64, EM64T, IA64) | |
| Windows® Vista (32bit / 64bit) | |
| Linux® | |
| Embedded Technology | |
| CardMan Smart@Link Chipset | |
| Hardware Specifications | |
| Color | Metallic |
| Dimensions (LxWxH) | 75 x 54 x 5mm 3.00" x 2.13" x 0.20" |
| Weight | 26 gr / 0.91 oz |
| Operating temperature | 0°-55°C / 32-131°F |
| Operating humidity | 10-90% rH |
| Composition | Alloy |
| Durability | 100.000 insertions |
| Meantime between failure (MTBF) | 500.000 hours |
| Compliance / Certification | Safety / Environmental |
| Microsoft® WHQL ³ | CE |
| EMV ² 2000 Level 1 | WEEE |
| ISO 7816 | UL |
| HBCI ⁴ | FCC |
| CCID ¹ | VCCI (in preparation) |
| GSA Fips201 approved product list | MIC (in preparation) |

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

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