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6321 USB Smart Card Reader

Brand: HID Global
Product Code: SMAH1006321USB

Short Description
SIM-size contact and contactless smart card reader USB connected for mobile use.

Description
Overview

Contactless technology in a single mobile device - featuring a dual interface PClinked reader that reads/writes to both a 13.56 MHz contactless smart card and virtually any SIM-sized contact smart card, the device economically supports mobile end-user environments where both contactless and contact smart card technologies are used.

Utilizing contactless smart card technology for PC-linked applications, the OMNIKEY® 6321 allows users to experience the convenience, speed and security of contactless technology for applications, including logon to Windows®, networks, websites and applications for the secure storage of user names, passwords and personal information.

Key Features
Contact and Contactless USB Smart Card Reader

Versatile Applications - Ideal for mobile end-user environments using both contactless and contact smart card technology

Fast Contactless Transmission - Supports contactless smart cards up to 848 Kbps

Designed for User Convenience - Housing design is optimized for advanced contactless applications

Readily compliant - Supports HID iCLASS® and MIFARE®, as well as ISO 14443 A/B and ISO 15693

Supports three ISO standards for contactless cards (ISO 14443 A/B and 15693) and ISO 7816 standard for contact cards, and Microsoft WHQL

Reader supports contactless smart cards with up to 848 Kbps in the fastest ISO 14443 transmission mode

Standard application interfaces include PC/SC, Synchronous-API (on top of PC/SC), OCF (Open Card Framework) or CT-API

Features host interface USB 2.0 CCID1 and is compliant with USB 1.1

Compliant with all relevant safety and environmental standards, including CE, FCC, UL, RoHS and WEEE

Specifications
Base Model Number OMNIKEY®6321

Dimensions 3.7" x 1.02" x 0.59" (94 x 26 x 15 mm)
Weight Approx. 0.59 oz (17 g)
Power Supply Bus powered
Operating Temperature 32–131 °F (0–55 °C)
Operating Humidity 10–90% rH

HOST INTERFACE

Host Interface USB 2.0 CCID1 (also compliant with USB 1.1)
Transmission Speed 12 Mbps (USB 2.0 full speed)

SMART CARD INTERFACE

Standards ISO 7816
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-000 (SIM-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

CONTACTLESS SMART CARD INTERFACE

Protocols
T=CL, MIFARE®
, iCLASS®
/ ISO 14443 A with 848 Kbps transmission
rate (depending on card), ISO 14443 B with 848 Kbps transmission
rate (depending on card), ISO 15693 with 26 Kbps transmission rate
(depending on card)
Supported APIs
PC / SC driver (ready for 2.01), CT-API (on top of PC / SC, for contact
interface), OCF (on top of PC / SC, for contact interface),
Synchronous API (on top of PC / SC)
PC / SC Driver Support
Windows® XP / Vista / Windows 7 / Windows 8, 2003 / 2008 Server,
Windows® CE 5.0 / CE.NET / CE 6.0 (depending on hardware), Linux®
and Mac® OS X
Status Indicator Blue color LED (blue = ready, blinking = busy)
Color Gray-blue
Options Customer-specific logo, label and colors: available upon request
Composition ABS
Durability 10,000 insertions
Meantime Between
Failure (MTBF) 500,000 hours
Compliance / Certification Microsoft®
WHQL2, ISO 7816, USB 2.0 (USB 1.1 compatible),
CCID1
(contact interface only)
Safety / Environmental CE, FCC, UL, RoHS, WEEE
Warranty Two-year manufacturer’s warranty.
(For drivers, see complete lifetime support policy.)

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ƒFeatures host interface USB 2.0 CCID1 and is compliant with USB 1.1
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FEATURES:
ƒSupports three ISO standards for contactless cards (ISO 14443 A / B and 15693) and ISO 7816 standard for contact cards and Microsoft WHQL 1 = Chip Card Interface Device, 2 = Windows® Hardware Quality Lab