@MAXX ID-1

ID-1 USB smart card reader/writer with on-board flash memory

IDENTIVE

■ **Small form factor ideal for mobile use**

■ **ID-1 credential processing**

■ **On board flash memory**
   - Several partition types supported

■ **USB 2.0 host interface**

■ **USB CCID & USB HID compliant version available**

■ **Identive SmartOS™ powered**

ISO7816

Mobile security under your control

For security demanding corporate environments, Identive offers a number of solutions, ranging from desktop smart card readers to mobile smart card readers that can be used with a variety of smart card-technology based credentials. The @MAXX ID-1 offers on board flash memory for mobile desktop applications and ID-1 sized smart card reader capabilities to users.

The @MAXX ID-1 can be used with standard USB (CCID and HID) class drivers provided by the host OS manufacturer. On Windows platforms, the Windows update functionality will automatically install the Identive CCID drivers if you are connected to the Internet. For the HID version Identive provides a PC/SC library.

Typical Applications

@MAXX ID-1 is a zero footprint device where no administrator rights on the host machine are required. The @MAXX ID-1 with its on board flash memory is the ideal choice for mobile users that need to carry a secure virtual desktop with them. The mobile reader can contain the digital identity of the user and the applications which make use of this digital identity.

Depending on the type of smart card chosen, it is possible to use your @MAXX for logging on to your PC, signing and encrypting documents or emails, authenticating to secure web sites or your company's virtual private network (VPN).

The @MAXX ID-1 supports CD-ROM emulation, flash memory and hidden partitions. Identive customers can create a CD ROM partition containing their software and have the possibility to upgrade this partition through an Identive SDK once the mobile readers are deployed.

@MAXX ID-1 mobile reader enable strong two-factor authentication with something you have – i.e. your @MAXX ID-1 mobile reader and a smart card – and with something you know – i.e. your PIN code. Any smart card vendor can be used to supply the smart card needed for your @MAXXID-1 mobile reader. Identive can also supply you with those cards.

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Parameter	
Host interface	
Host interface	• USB 2.0 CCID (1.1 / 3.0 compliant)
Communication speed	• 12 Mbps (USB2.0 full speed)
Flash memory	
Flash size	• 4GB (8GB on demand)
Supported partition types	• CD-ROM emulation • Flash r/w • Hidden (sector based)
Software	
SDK	• Windows® XP/Vista/7/8 (32&64Bit), Windows® Server 2003/2008/2012 • MacOS 10.5.x, 10.6.x, 10.7.x, 10.8.x; Linux 2.6.x (32&64Bit)
Smart card interface	
Supported standards	• ISO/IEC 7816 Part 1 to 4
Supported tag ICs	• All major ISO/IEC 7816 compliant smart card IC support
Protocols	• T=0, T=1
Speed	• up to 412 kBit/s (depending on card)
Clock frequency	• ISO/IEC 7816 compliant, up to 8 MHz
Supported smart card types	• 5V, 3V and 1.8V, ISO/IEC 7816 class A/B/C
Power to smart card	• 60mA in class A, 55mA in class B, 35mA in class C
Smart card detection	• Card present switch • Automatic power on/off • Short circuit protection
Card size	• ID-1
Contact type	• Sliding contact socket, 8-pin
Driver & software	
CCID USB class device PC/SC driver	PC/SC specification ver. 2.01.09 for • Windows® XP/Vista/7/8 (32&64Bit), Windows® Server 2003/2008/2012 • MacOS 10.5.x, 10.6.x, 10.7.x, 10.8.x; Linux 2.6.x (32&64Bit)
HID USB class device PC/SC library	PC/SC specification ver. 2.01.11 for • Windows® XP/Vista/7/8 (32&64Bit), Windows® Server 2003/2008/2012 • MacOS on request; Linux 2.6.x on request
Software	• PC/SC API • CT-API (through wrapper on top of PC/SC) • Synchronous-API (through wrapper on top of PC/SC) • SDK for Flash memory handling
Operating conditions	
Power Supply	• USB Bus powered
Power consumption	• < tbc mA, excluding smart card / < tbc µA in Standby Mode
Dimension	• 80x35x15.3mm / 3.150x1.378x0.602 Inch
Weight	• 20g ± 5% / 0.044 lb ± 5%
Operating temperature range	• 0° to +50°C / +32 to +122 F
Storage temperature range	• -20 to +60°C / -4 to +140 F
Operating humidity range	• Up to 95%RH non condensing
Durability	• Sliding contacts, 100.000 Card insertions
MTBF	• tbc
Connector	• USB Type A connector
Status indicator	• LEDs: yellow, blue
Firmware version	• CCID: V3.04, HID: V4.05
Certifications / Compliances	
Systems / Standards	• ISO/IEC 7816, USB 2.0 full speed, CCID, Microsoft® WHQL
Regulatory /Environmental	• CE, FCC, UL94, RoHS2, REACH
Ordering information	
P/N	CCID: 905424, HID: 905300

Technical data are subject to change without notice.

Contacts

Identive GmbH
Oskar-Messter-Str. 13
85737 Ismaning
Germany

Phone   + 49 89 9595 5000
sales@identive-infrastructure.com

Identive Group, Inc
1900-B Carnegie Avenue
Santa Ana, CA 92705
USA

Phone   + 1 888 446 9008
scmsales@identive-infrastructure.com

Identive KK
GoogolPlex Millennium Building 6F
4-4-20 Shiba, Minato-ku,
Tokyo, 108-0014, Japan

Phone   + 81 3 6414 6611
sales@identive-infrastructure.co.jp

Identive GmbH
Unit 11, 4607-11,
The CENTRE
99 Queen´s Road Central
Hong Kong

Phone   + 852 3796 7010
sales@identive-infrastructure.com

www.identive-group.com