athena Smartcard

ASEDrive IIIe NFC DI Smart Card Reader

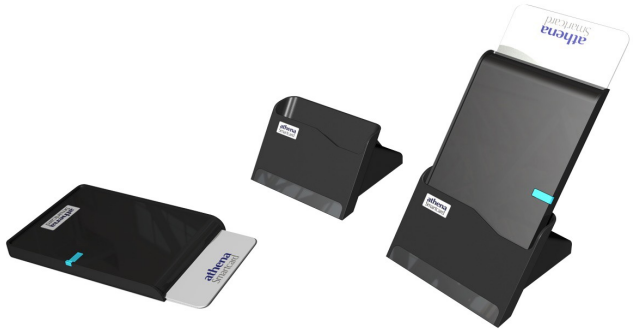
Desktop Contact and Contactless Smart Card Reader

ASEDrive DI NFC is Athena's high performance and cost effective Dual Interface reader combining Athena's proven design and experience in both contact smart card readers and contactless smart card reader. The **ASEDrive DI NFC** reads virtually any contact smart card and 13.56 Mhz contactless cards

The Athena **ASEDrive DI NFC** is designed for easy operation by the end user looking for a Dual Interface desktop smart card reader and is optimized for a wide variety of Smart card applications where high speed is essential such as National ID CARDS and PKI operations.

The Contactless interface supports fast contactless transmissions up to 848 Kbps in ISO 14443 A/B mode , with the Contact interface, based on Athena's ASEDrive IIIe USB V3C Smart Card Reader that supports multiple smart card protocols under the PC/SC API, with a CCID Interface, utilizing the USB Full speed connection to increase reliability, communication speed and ease of operation.

The **ASEDrive DI NFC** is a CCID based smart card reader making it a true Plug and Play device, making ideal for mass deployments where Web SSL, Digital Signature, Windows logon, VPN, etc services are required.



Highlights

Contactless Interface

- read/write mode supporting ISO/IEC 14443A/B MIFARE
- read/write mode supporting MIFARE
- read/write mode supporting JIS X 6319-4 (FeliCa1)
- passive initiator mode according to ISO/IEC 18092
- read/write mode supporting ISO/IEC 15693

Contact Interface

- Interface: USB 2.0/CCID
- Acceptor: Friction
- Insert/remove cycles: 100,000
- Power source: USB
- Cards supported: ISO 7816 T=0, T=1, CAC and EMV

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General	
Dimensions	106.5mm x 70.03mm x 10mm
Power Supply	USB port, 5VDC 150mA
Operating Temperatures	-20ºC - +70ºC
Operating Humidity	5-95% rH
Operating Altitude	0—10K feet (Storage 0—50K feet)
Operating System Support (32bit/64 bit)	Windows XP, Vista, 7, 8, Server 2003/R2, 2008/R2,2012, Linux, Mac OS X
Safety & Environmental Standard	FCC Class B, VCCI, CE, ROHS, WEEE
Warranty	1 Year
Host Interface	
Host Interface	**CCID • USB 2.0 Full Speed • USB-IF Complaint**
Transmission Speed	**12 Mbps (USB 2.0 Full Speed)**
Contact Interface	
Smart Card Support	ISO 7816 T=0, T=1
Card-Reader Communication	Up to 500Kbps
Smart Card Acceptor	ISO 8 contacts (friction), up to 200,000 insertions
Card operating voltage	5V , 3V, 1.8V (ISO7816 Class A,B & C)
Smart Card Reader Compliance	PC/SC Compliant
Card-Reader Communication	Up to 500Kbps
Smart Card Acceptor	ISO 8 contacts (friction), up to 200,000 insertions
Card operating voltage	5V , 3V, 1.8V (ISO7816 Class A,B & C)
Smart Card Reader Compliance	PC/SC Compliant
Contactless Interface	
Protocols	ISO 14443 A/B, Mifare 1k/4, ISO 15693, ISO 18092, FeliCa
PC/SC Driver Support	Windows XP, Vista, 7, 8, Server 2003/R2, 2008/R2,2012, Linux, Mac OS X (32bit/64 bit)
Compliance and Certification	CE, FCC, VCCi - in process
Safety and Environment	RoHS, FEEE—in process

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IMPORTANT FCC Part 15

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

FCC WARNING

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and the receiver.

• Connect the equipment into an outlet different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.