athena
Smartcard

ASEDrive IIIe Motorized

Motorized PC/SC Motorized Smart Card Reader/Writer .

Highlights – Smart Card Reader

- Contact smart card reader complying with all major international standards.
- Optional Contactless (NFC, ISO14443 A&B or Mifare interface)
- Option al Biometric interface.
- Microsoft PC/SC WHQL certified   drivers.
- Supporting CPU & Memory cards.
- High-speed communication.
- Upgradeable Flash Memory.

Highlights – Motorized Chassis

- Rugged, Zinc die-cast chassis.
- Up to 500K insertion/removal cycles.
- Support of embossed cards.

The most advanced motorized Smart Card reader for PC

ASEDrive IIIe MT is a member of Athena's new

family of smart card readers. ASEDrive IIIe MT supports all major international standards such as ISO7816, as well as PC/SC in Windows and Linux. All ISO7816 compliant CPU-based smart cards, as well as most memory cards are supported.

Reliability

The ASEDrive IIIe MT is designed to be a reliable and long lasting reader. The reader includes several fail-safe mechanisms:

Power Failure Card Ejection System

The Reader has a power-failure card-ejection system. This system will automatically eject a card when a power failure occurs. To enable this system, an optional external capacitor needs to be connected to the reader.

Front Gate

The Front Card Gate prevents coins, dust, moisture, and debris, from entering the unit. The gate resists opening except when ISO-size card enters the unit.

Options

- Contactless cards support
- Biometric match on Card
- Various input and output relay and power options are available under request and may be operated through PC/SC API.
- A rugged casing option is available.

Smart card support	CPU Cards ISO7816-1, 2, 3, 4 complaint (T=0,T=1) Memory Cards: I2C-Bus, Extended I2C-Bus Optional: NFC tags, ISO 14443 A/B, Mifare Plus Optional: Match on Card support
Host Operating System	Windows XP, Windows Vista, Windows 7
Mag-Stripe Functions: **Track 1,2,3 only**	ISO/AAMVA/JIS formats ISO 7810, 7811, JIS x 6302 Type 2
Host Interface	RS-232 or USB (Auto switching) USB-IF Complaint
Card operating voltage	5V , 3V & 1.8V (ISO7816 Class A,B,C)
Card operating frequency	Up to 16 MHz
Card to Reader communication speed	Up to 412 Kbps at 4 MHz
(MTBF) Smart Card Acceptor	Electronics: 125,000 hours Head: 1,000,000 passes (500,000 Insertion Cycles) SC contacts: 1,000,000 passes
Supported standards	ISO7816-3, PC/SC
Safety and Environmental	FCC, CE, VCCI, RoHS
Magnetic Stripe	3 track Magstripe Reader per ISO 7810, 7811
Power source	12.0 VDC ± 5%, External Power Supply
Consumption	134 mA (Typical, motor off), current 1A max
Temperature	Operating: 32ºF to 122ºF (0ºC to 50ºC) Storage: -40ºF to 158ºF (-40ºC to 70ºC)
Humidity	Operating: 5% to 95% non-condensing Storage: 5% to 95% non-condensing
Altitude	Operating: 0-10,000 ft. (0-3,048m) Storage: 0-50,000 ft. (0-15,240m)
Weight	Reader - 450 gr AC adapter regulator w/ power cord: 336,6gr
Audible Noise	55db at 39.4" (1,0m)
Card Travel Time	400 ms ±20% maximum input or eject time 10 IPS (25.4 cm/sec) typical
Dimensions (Core Chassis):	Length: 5.60 in. (152,24mm) Width: 3.26 in. (82,8mm) Height: 2.17 in. (55,14mm)

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