

**ASEDrive IIIe MT
PC/SC Motorized
Smart Card Reader/Writer with USB
and Serial Interfaces (auto
switching)**



Highlights – Smart Card Reader

- Contact smart card reader complying with all major international standards including, ISO7816 and.
- Microsoft PC/SC WHQL certified drivers.
- Supporting ISO 7816 CPU-based smart cards and popular memory cards.
- High-speed communication with card.
- USB and Serial communication with host with automatic switching.
- 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.

Superior Smart Card Performance

Modern smart card applications higher performance of the smart card readers. **ASEDrive IIIe MT** was professionally designed to ensure higher communication speeds and to reduce the time needed for communication intensive operations.

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

Various input and output relay and power options are available under request and may be operated through PC/SC API.



Specifications

Smart card support	CPU Cards ISO7816 T=0,T=1, EMV Memory Cards SLE4418, 4428, 4432,4442, PCF2042, I2C-Bus, Extended I2C-Bus
Operating System Support	Windows 98, 98SE, Me, NT, 2000, XP, Server 2003, Linux
Host Interface	USB 2.0 Full Speed and RS-232 115,200 bps (auto switching)
Card operating voltage	5V (ISO7816 Class A), 3 V (ISO7816 Class B)
Card operating frequency	4, 8 and 16 MHz
Card to Reader communication speed	Up to 230 Kbps at 4, 8 and 16 MHz
Smart Card Acceptor	Motorized High durability landing type, up to 500K insertions, ISO 8 contacts
Supported standards	ISO7816-1-4 , PC/SC, EMV level 1 compliant
Safety and Environmental	FCC, CE, VCCI
Power source	12.0 VDC \pm 5%, External Power Supply
Consumption	134 mA (Typical, motor off), current 1A max
Temperature	Operating: 32°F to 122°F (0°C to 50°C) Storage: -40°F to 158°F (-40°C to 70°C)
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 \pm 20% maximum input or eject time
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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