

**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 all CPU-based smart cards as well as 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.

**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. A rugged casing option is available.

## Specifications

<b>Smart card support</b>	<b>CPU Cards</b> ISO7816-1, 2, 3, 4 compliant (T=0,T=1) <b>Memory Cards</b> SLE4418, 4428, 4432,4442, PCF2042, I2C-Bus, Extended I2C-Bus
<b>Host Operating System</b>	Windows 98, Me, NT, 2000, XP
<b>Host Interface</b>	RS-232 or USB (Auto switching)
<b>Card operating voltage</b>	5V (ISO7816 Class A), 3 V (ISO7816 Class B)
<b>Card operating frequency</b>	4, 8 and 16 MHz
<b>Card to Reader communication speed</b>	Up to 230 Kbps at 4 MHz
<b>Smart Card Acceptor</b>	Motorized High durability landing type, up to 500,000 insertions
<b>Supported standards</b>	ISO7816-3, PC/SC,
<b>Safety and Environmental</b>	FCC, CE, others upon request
<b>Magnetic Stripe</b>	3 track Magstripe Reader per ISO 7810, 7811
<b>Power source</b>	12.0 VDC $\pm$ 5%, External Power Supply
<b>Consumption</b>	134 mA (Typical, motor off), current 1A max
<b>Temperature</b>	Operating: 32°F to 122°F (0°C to 50°C) Storage: -40°F to 158°F (-40°C to 70°C)
<b>Humidity</b>	Operating: 5% to 95% non-condensing Storage: 5% to 95% non-condensing
<b>Altitude</b>	Operating: 0-10,000 ft. (0-3,048m) Storage: 0-50,000 ft. (0-15,240m)
<b>Weight</b>	Reader - 450 gr AC adapter regulator w/ power cord: 336,6gr
<b>Audible Noise:</b>	55db at 39.4" (1,0m)
<b>Card Travel Time:</b>	400 ms $\pm$ 20% maximum input or eject time
<b>Dimensions (Core Chassis):</b>	Length: 5.60 in. (152,24mm) Width: 3.26 in. (82,8mm) Height: 2.17 in. (55,14mm)

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