

Features

- **Smart Card Interface**
 - Smart Card Interface Compliant with ISO 7816 and EMV 2000
 - Support of T=0, T=1, TWI (S=8), 2-wire: SLE 4432/42 (S=10), 3-wire: SLE4418/28 (S=9), Others on Request
 - High Performance Smart Card Interface
 - Supports 5V, 3V and 1,8V Smart Cards
 - Supply Current 60 mA to Power the Smart Card
 - Smart Card Movement Detection with Auto Power-off
 - Automatic Detection of Smart Card Type
 - Short-circuit and Thermal Protection
 - 8-pin Handling (C4/C8 supported)
 - On Request: 2nd Smart Card Interface
- **Host Interface**
 - PCMCIA
 - Transmission Speed: 16 MBit/sec
- **Compliance**
 - WHQL (Microsoft) Certified
 - EMV 2000 (Europay, Mastercard, Visa) Certified
 - PCMCIA
 - ISO 7816
 - HBCI
- **Other Features**
 - Fast and Easy Certification Process
- **PC/SC Driver Support**
 - Windows 98[®]
 - Windows ME[®]
 - Windows NT[®] 4.0
 - Windows 2000[®]
 - Windows XP[®]
 - Windows CE[®] 3.0 / CE.NET (Depending on Hardware)
 - Linux[®]
 - MacOS X[®]
- **Deliverables**
 - 64-PIN VQFP Chip (Including Firmware and Drivers) On a Per-unit License Fee
- **Development**
 - Design-In Kit Containing:
 - 3 CardMan[®] Smart@Bus Chips
 - Ready to use sample PCB
 - CD with Drivers and Documentation



CardMan[®]
Smart@Bus

AT83C25OK

Summary

Preliminary

4308AS-SCR-05/04



This is a summary Document. A complete document is available on the Omnikey Web site. www.omnikey.com

Description

Smart Cards are increasingly being used for Payments, Home-Banking, Access Control, Internet Security, PKItokens, Health Care, Loyalty, etc.

The CardMan Smart@Bus chip set is a ready to use precertified smart card reader interface to be implemented into PCMCIA hosts. It facilitates the hardware integrators in reducing time-to-market and offers a unique opportunity to quickly and easily include smart cardreader functionality in their systems. The already existing certifications and compliances guarantee a fast and easy certification process.

With its high performance Smart Card Interface CardMan Smart@Bus supports smart-card technology of the future.

The PCMCIA support makes the CardMan Smart@Bus the preferred solution for the integration into Notebooks or PC-Bus systems. This can be easily done without any firmware or software (driver) development, simply by embedding the CardMan® Smart@Bus design and chipset into the target system.

CardMan Smart@Bus is based on Atmel's AT83C5122 microcontroller. the above features make the CardMan Smart@Bus the perfect answer to the increasing demands of many applications.



Ordering information

Part Number	Temperature Range	Package	Packing
AT83C25OKxxx-RDTIM	Industrial	VQFP64	Tray
AT83C25OKxxx-RDRIM	Industrial	VQFP64	Tape & Reel

xxx: Firmware version



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Literature Requests

www.atmel.com/literature

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