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AT89RFD-06

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Datasheet of AT89RFD-06 - KIT REFERENCE DESIGN PCMCIA RDR
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AT83C25OK with OMNIKEY Firmware

PRE-CERTIFIED SMART CARD READER SOLUTION FOR **PCMCIA LINK**

AT83C25OK is based on an Atmel C51 MCU and includes OMNIKEY® firmware. It is a single-chip ready-to-use solution that can be quickly and easily integrated into any PCMCIA smart card reader.

Key Features & Benefits

- Single-chip Solution
- Quick Time-to-Market
- Fast and Easy EMVCo Certification
- Supports all Smart Cards
- PCMCIA (PC-Card) Connection

Applications

- PCMCIA Smart Card Reader
- Notebook
- Set Top Box
- Personal Digital Assistant (PDA)

Compliance with:

Designed for Microsoft® Windows® XP Windows® 2000

EMVCo

PC/SC Workgroup

ISO 7816

MONDEX INTERNATIONAL

smart empowered by OMNIKEY

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AT83C25OK PCMCIA Smart Card Reader Solution

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AT83C25OK is a highly integrated solution, including OMNIKEY firmware and associated drivers, for any smart card reader using a PCMCIA link.

It allows customers to reduce time-to-market as it is compliant with ISO 7816, EMV 2000 and WHQL certified.

The AT83C25OK combines Atmel and OMNIKEY's expertise in smart card reader development and in-system integration.

To implement this turnkey solution, customers only have to include the appropriate drivers in their host software (Windows® 98/ME/NT4/2000/XP, CE.NET, Linux®).

Product Features

- **Host Interface**
  - PCMCIA (PC-card)
  - PC/SC Compliant
- **Supported Smart Cards**
  - Asynchronous & Synchronous
- **Smart Card Power Supply**
  - 1.8V (20 mA), 3 or 5V (60 mA)
  - Short Circuit Current Limitation
  - Power Up/Power Down Management
- **Smart Card Management**
  - Presence and Insertion/Extraction Detection
- **4 kV ESD Protection on Card Pins**
- **AT83C25OK Power Supply**
  - 3.6 to 5.5 Volts
  - 100 µA Standby Mode
- **Temperature Range**
  - -40 to +85°C

AT83C25OK Reference Design (AT89RFD-06)

CD

Technical Package Available on CD-ROM
- Specifications
- Schematics & Bill of Material
- Software Drivers
- Test Utilities

AT83C25OK Reference Design

Contact Information

Technical Support: mcu@atmel.com

Ordering Information

Part Numbers	Description
Development Tool	
AT89RFD-06	Reference Design with three samples
Devices	
AT83C25OK100-RDTIL	VQFP64 in Tray
AT83C25OK100-RDRIL	VQFP64 in Reel