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

Compliance with:

Applications

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

AT83C25OK PCMCIA SMART CARD READER SOLUTION

Atmel Corporation
2325 Orchard Parkway
San Jose, CA 95131
USA
TEL.: (1)(408) 441-0311
FAX.: (1)(408) 487-2600

Regional Headquarters
Europe
Atmel Sarl
Route des Arsenaux 41
Case Postale 80
CH-1705 Fribourg
Switzerland
TEL.: (41) 26-426-5555
FAX.: (41) 26-426-5500

Asia
Room 1219
Chinachem Golden Plaza
77 Mody Road Tsimshatsui
East Kowloon
Hong Kong
TEL.: (852) 2721-9778
FAX.: (852) 2722-1369

Japan
9F, Tonetsu Shinkawa Bldg.
1-24-8 Shinkawa
Chuo-ku, Tokyo 104-0033
Japan
TEL.: (81) 3-3523-3551
FAX.: (81) 3-3523-7581

Products Contact
La Chantrerie
BP 70602
44306 Nantes Cedex 3
France
TEL.: (33) 2 40 18 18 18
FAX.: (33) 2 40 18 19 60

e-mail
literature@atmel.com

Web Site
http://www.atmel.com

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