eHealth100

Preliminary Information

Secure Chipcard terminal for eHealth Applications

Overview

The eHealth100 is the first terminal in a new product line for eHealth and ID Card applications. Based on SCM Microsystems' extensive knowledge in smart card reader technology, this terminal was specifically designed to support the newly defined German Health Card.

The eHealth100 supports multiple host interfaces and provides two smart card slots as well as one SAM slot in an elegant and compact design. It is compliant with relevant security standards and supports a variety of security applications. Together, these features enable high performance as well as cost effectiveness for the German Health Card program.

eHealth100 Benefits

- Support for current and future German smart cards for Health Applications
- Signature Law compliant; Common Criteria Certification in preparation
- Compatible to the "eHealth" Connector
- Compliant to ISO 7816-1/-2/-3/-4 chipcards
- Secure PIN entry
- High communication speed performance
- On-board flash for secure, seamless firmware upgrades - prevents obsolescence
- Customizing options: case, colors, and company logo
- PC/SC plug & play compatible

eHealth100

Technical Data

Host Interface	• USB: Full Speed USB (12Mbps), High Bus Powered Device • Serial: PnP RS232 (115,200 bps) • Ethernet: TCP/IP
Smart Card Interface	• 3 smart card interfaces • T=0, T=1 protocol support • Memory card support for current German Health Card (S=8,S=9,S=10) • ISO 7816 Class A and AB Smart Card support • Communication speed up to 344,105 bps
Smart Card Connector	• 2 ISO smart card slots with landing contacts • 500,000 insertion cycles • 1 SAM slot
Human Interface	• graphical LCD Display • 3 LED's • 4x4 keypad • Buzzer (Option)
Security	• Tamper evident casing • Secure field firmware upgrade
Cable/Power	• 2 m long with USB Type A connector
Operating Temperature	• 0° to 50° Celsius
OS	• Windows® CE, 98, ME, 2000 and XP, Server 2003 • MAC OS X (on request) • Linux (on request) • Solaris (on request)
API	• PC/SC • CT-API, CT-BCS • OCF
Approvals	• CE • Microsoft® WHQL 2000, XP, Server 2003 • Common Criteria CCEAL 3+ (under preparation)

Technical data are subject to change without notice.

Availability
• Samples Q4/2005
• Production Q1/2006

The SCM Microsystems' Advantage

SCM Microsystems brings over a decade of experience in ASIC and smart card reader development to this unique product. With its dedicated Research and Development team, and a true global presence, SCM Microsystems delivers high quality products catering to the various requirements in the security field. SCM offers customization of products to suit application needs.

Typical advantages of an SCM Microsystems product include:

• More than 80 patents

• High quality mass production capability

• Industry endorsed SmartOS™ middleware

• Support for all current and emerging international standards

• Customer base of global, top tier PC OEMs, systems integrators and smart card industry leaders

• Direct significant long-term relationships with all leading smart card manufacturers and application providers