STT200

Secure Multi-Purpose Smart Card Terminal

Features

• 32-bit high performance RISC architecture
• 2-port LAN switch; USB host and USB client interface
• up to 672 kbps communication speed performance
• on-board flash for secure, seamless firmware upgrades
• ideal weight/dimension balancing
• customization options: case, color, and company logo

Typical Applications

The STT200 is a generic multi-purpose terminal for smart card-based applications requiring high security like eHealth, eID or POS. The terminal was originally designed and is in wide-spread used in the German eHealth Card infrastructure, however, the firmware can easily be adapted to other applications and market needs.

The terminal supports LAN and USB host interfaces and provides two highly reliable full-size smart card slots as well as two SAM slots (ID-000) in an elegant and compact design. One integrated LAN switch and one USB client port offer high flexibility for installation and expansion to work, i.e. with wireless LAN, biometric identification or contactless cards add-on devices.

The STT200 has various visible and invisible security mechanisms. A full graphical display with backlight and four separate menu buttons makes it easy to navigate and service. With suitable dimensions and weight, the STT200 is a stable desktop device, and can easily used for one-hand operations.

STT200

Technical Data

CPU / Prozessor	• 32-bit high performance RISC / 200 MIPS
Operating System	• SCM Microsystems secure Linux with web interface for secure update function
Interfaces USB	• 1 x Full Speed Host; USB 2.0 compatible • 1 x Full Speed Client; USB 2.0 compatible
LAN	• Integrated 10/100 Ethernet SWITCH with two equal RJ45 TCP/IP 10/100 MBit circuit points • Auto negotiation, auto MDI/MDIX
Smart Card	• ISO 7816 class A, B and C Smart Card support (5V, 3V, 1,8V) • S=8, S=9, S=10, T=0, T=1 protocol support • Communication speed up to 672 kbps
Smart Card Connector	• 2 (ISO 7816 ID-1) Full Size smart card slots with landing contacts • 2 SAM slots (ISO 7816 ID-000) • 200,000 insertion cycles (ID-1 slot) • Automatic smart card recognition with short circuit protection and cutout switch
Human	• Graphical LC Display with backlight, scalable font size, freely programmable start screen • Icons and multi-colored LEDs indicating status • 4x4 keypad • 4 navigation keys • Acoustic signal
Security	• Tamper evident casing • Battery powered security protection • Secure field firmware upgrade • Secure key memory (optional)
Dimensions	• 127 x 215 x 70 mm; 680 grams without power supply
Power	• Wall power supply: input 100-240VAC / 50-60Hz / max. 1A - output 5VDC / 2.5 A
Ambient Conditions	• Operating: 0° to +50°C; storage: -20° to +60°C; relative humidity: 5% to 95% (not condensing)
Supported OS	• Windows® 7, Vista, XP, Server 2003, 2000, ME, 98SE • MacOSX • Linux, Solaris (in preparation)
Approvals	• Common Criteria CCEAL 3+ (optional) • Microsoft® WHQL 2000, XP, Server 2003, Vista • CE
Environmental	• RoHS, WEEE

Technical data are subject to change without notice.

The SCM Microsystems' Advantage

Trusted Partner

• ASIC (application specific IC) and smart card reader development experience since 1990

• Innovative solutions - more than 50 patents filed

• Reliable high-quality mass production capability - more than 15 Mio. reader solutions deployed to date

• Active role in standardization committees

• Complex project management expertise
e.g. U.S. Department of Defense CAC program, electronic ID applications (ePassport, health card projects, national ID, driver licence)

Support

• Global presence and support

• Product customization options

• Product branding

• Dedicated Research & Development and customer support team

• Strong global partnership network with leading suppliers along the value chain (smart card manufacturers, application providers, system integrators, device manufacturers)

Trusted Products

• Broadest portfolio of security technology products - for governments, corporations, financial institutions, small and medium-sized enterprises and individuals around the globe

• Secure smart chip reader design - certified and compliant to EMV, Common Criteria, PC/SC, USB

• High-quality products designed to meet the various requirements in the data security area

• Flexible and future proof solutions - SCM's SmartOS™ firmware and its own ASIC technology allow in Field upgrades and secure your investment