

N99

Contact Smart Card Reader



Features

- Ergonomic and cost efficient design
- Software and functionality compatible with RUIXING's SCR-N9x readers family
- In field firmware upgrades (N99)
- EMV Level 1 certified
- Compliant with major smart cards and relevant industry standards

Typical Applications

The SCR-N99 are suitable for a wide range of applications for government as well as for enterprise and home usage.

Due to its design, the readers are also ideally suited to be bundled with smart cards and software to support large scale projects roll outs.

Typical applications areas of the SCR-N99 are electronic ID, social security and loyalty programs, e-Couponing, secure network log on, e-Banking as well as online shopping and gaming activities.



Technical Data

Interfaces		
Host	USB	• Full speed USB 2.0 (12 Mbps) • USB Bus powered device • CCID compliant • ICC ≤ 45 mA
Smart Card	contact	1. Support EMV Level 1 specification 2. Support USB 2.0 full speed 3. Based on ISO7816 implementation 4. Support PC Smart Card industry standard – PC/SC 2.0 5. Support Microsoft Smart Card for Windows 6. Clock Speed Support 4.8MHz-12MHz 7. Meet Microsoft WHQL USB Smart Card Reader requirements 8. Meet US Federal Information Processing Standards (FIPS) Publication 201 requirements on smart card reader interoperability 9. Support T0, T1 protocol 10. Support I2C memory card, SLE4418, SLE4428, SLE4432, SLE4442, SLE4436, SLE5536, SLE6636, AT88SC1608, AT45D041 card and AT45DB041 card via external EEPROM 11. Support ISO7816 Class A, B and C (5V/3V/1.8V) card 12. Support short APDU and extended APDU 13. Compatible with Microsoft USB-CCID driver 14. Support remote wake up through inserting card/removing card 15. Support USB selective suspend 16. Support Power Saving Mode
Human	optical	• yellow / red LED,
Software	API	• PC/SC • CT-API (thru wrapper on top of PC/SC)
Operating Systems		• Windows® 7, Windows® 8, Windows® 10(32bit / 64bit) • Windows® Vista(32bit / 64bit), XP, Server 2003, 2000, ME, 98 • Windows® CE 3.0, 4.1, 4.2, 5.0, 6.0 • Mac OS 9.X , Mac OS X or above • Solaris, • Debian GNU/Linux, RedHat Linux, • Novell SuSe Linux 32-bit (2.4.x, 2.6.x)/64-bit • Andriod 3.0 or Above
Cable		• Cable: 1.2m long with USB type A connector
Dimensions	L x W x H [mm]	• 85 x 72 x 24
Weight	[g]	• 86
Operating Conditions	Temperature [°C] Humidity [%]	• -20°C -----60 °C • 90 (non-condensing)
Approvals	Functional	• USB-IF • Microsoft® WHQL 2000, XP, Server2003,Vista,Windows7 • EMV 2000 Level 1
	Environmental	• RoHS, WEEE, CE, FCC • REACH compliance (N99)



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Technical data are subject to change
without notice.

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 – RUIXING 's SmartOS™ firmware and its own ASIC technology allow in Field upgrades and secure your investment

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