



# SDM100

## Technical Data

Interfaces		
Host	USB	• USB 2.0 (12Mbps)
Smart Card	Contact	• ISO IEC7816 CCID compliant • T=0, T=1 protocol support • Communication speed up to 344 kbs (PPS, FI parameter) • Frequency up to 12 MHz (PPS, DI parameter) • Voltage Classes A and AB • 8 contacts - ISO location, ID1 • Sliding contact, typ. 100,000 insertions
	Contactless	• Support of ISO/IEC 14443 A and B (13.56 MHz) smart chips • ISO/IEC 14443 Part 1 to 4 compliant • MIFARE: Classic 1K and 4K, DESFire, Ultralight, Plus • Communication speed: up to 424 Kbit/s
Human	Optical	• Status LED
Software	API	• PC/SC, In-field upgradeable firmware (SmartOS™)
Operating Systems		• Windows® Vista, XP, Server 2003, 2000, ME, 98 • Windows® Vista, XP, Server2003 (AMD64/EMT64) • Windows® CE • Windows 7 • MacOS, Linux
Power		• USB Hi-Bus powered at 5V, 150mA Max
Connector		• Neltron Con HDR 4Pin 2mm Pitch, PN2417RB-04-F4
Operating Conditions		Temperature [°C] Humidity [%] • 0 - 50 • 90 (non condensing)
Dimensions		L x W x H [mm] • 63 x 64 x 10
Weight		[g] • 24
Approvals		Functional (on request) Environmental • FCC Class B Part 15, VCCI, CE • USB, UL • RoHS, WEEE

\*Preliminary technical data provided here are subject to changes without notice  
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## 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

