

@MAXX™ prime

Mobile device for secure transactions, private data handling and storage



Key Hardware features

- 1 Smart card reader
- 2 Internal antenna connected to C4/C8
- 3 microSD reader
- 4 built-in Flash memory
- 5 USB expansion slot & internal USB hub
- 6 LED status indicator

Overview

@MAXX™ prime offers a unique combination of fixed and expandable memory space, along with smart card based security and functionality. Plugged into any free USB port, this mobile device offers secure high-performance and cost-efficient handling of sensitive data.

The built-in smart card reader, on-board flash memory, a microSD card reader and its expansion capabilities via female USB connector make @MAXX™ the ideal device for implementing numerous secure applications which were earlier restricted due to limited storage space.

In combination with a SIM-sized dual interface smart card and its built-in antenna connected to C4/C8, @MAXX™ enables ISO14443 and Mifare based applications.

@MAXX™ prime can operate in PC connected mode and provides contactless smart card functionality in autonomous mode.

Operating modes & application examples

PC connected mode

- booting into secure environments performing transactions and sensitive data processing in a secure manner
- support data encryption on hard disk, on board flash memory and microSD media
- logical access (secure PC and network log on)
- secure password storage in a smart card (encrypted) or in other on board memory
- web form filling using securely stored user information

Autonomous mode

- physical access (to facilities)
- logical access (PC & networks)
- contactless electronic payment* (e.g. Mastercard Paypass, Visa Wave or ExpressPay)
- contactless electronic ticketing* (public transportation, event ticketing)

* depends on used smart card chip & applications

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Technical Data

Interfaces		
Host	USB	<ul style="list-style-type: none"> • High speed USB • Mass Storage compliant
Smart Card	contact	<ul style="list-style-type: none"> • ISO7816 class A, B support • T=0, T=1 protocol support • 8 friction contacts, ID-000 format
	contactless	<ul style="list-style-type: none"> • Built-in antenna connected to C4 and C8 of smart card module • Accepts dual interface "Plug in Type" cards in ID000 (SIM) format • ISO14443, Mifare*
Human	optical	<ul style="list-style-type: none"> • blue LED
Software	API	<ul style="list-style-type: none"> • PC/SC
Expansion	USB	<ul style="list-style-type: none"> • low bus power port available for future expansion via internal hub
Operating Systems		<ul style="list-style-type: none"> • Windows® Server 2003, XP, Vista • Mac OS X, Linux
Power	USB	<ul style="list-style-type: none"> • bus powered
Dimensions	L x W x H [mm]	<ul style="list-style-type: none"> • 58 x 23 x 9.2
Weight	[g]	<ul style="list-style-type: none"> • 15 (without any media)
Operating Temperature	[°C]	<ul style="list-style-type: none"> • 0 to 50
Approvals		<ul style="list-style-type: none"> • FCC Class B, CE Class B, VCCI • USB planned • Certified for Windows® Vista • PC/SC
Environmental		<ul style="list-style-type: none"> • RoHS, WEEE

* if supported by smart card chip

Technical data are subject to change without notice

@MAXX™ prime Benefits

- Convenient and portable multi-functional token
- Flash storage 1GB
- microSD slot for expansion of storage (supports media up to 8 GB)
- Flexibility to use any smart card
- Operates as contactless token
- PC/SC compatible drivers
- USB high speed device
- Low bus power port available for further expansion
- Support Zerofootprint applications
- Customizing options: colour and company logo

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™ middleware and its own ASIC technology allow in Field upgrades and secure your investment