

the plastic card specialists

M-Smart 998SC

**Handheld Smartcard Reader/Writer
Enables Mobile Smartcard applications**



Compatibility

The MC 998SC supports all ISO 7816 Microcontroller based smartcards with T=0 or T=1 protocols as well as most of the popular memory cards in use today.

Options

- Integrated modem
- Integrated POCSAG Pager.
- Card Acceptor can be Top Mounted.
- Dual Card Acceptors: (1)Top and (1) Bottom Mount

Economical

This reader is one of the most cost-effective solutions for portable e-commerce, information security, access control, identification, and other smartcard applications.

Features & Benefits

- Supports ISO 7816 T=1 and T=0 smartcards.
- Supports most popular memory cards.
- 32-bit microprocessor for mobile application.
- 8 Megabit Flash and 1 Megabit SRAM: large memory capacities.
- Graphic LCD with COG Technology by Samsung.
- Multiple smartcard acceptors: 1 ISO 7816 ID-1 smartcard, 1 SAM, and option for 2nd standard ID-1 acceptor.
- Flying-Wheel Application Selector allows one hand operation.
- Smart power management with sleep mode. Rated for 5000 hours+ in sleep mode.
- IrDA infrared communication port.
- Receipt printing via RS-232 or IrDA port.
- Communication Module options for Modem or POCSAG Page.

Development Tools

The MC998SC features a PC Based application development kit and C compiler that allows independent development and loading of applications written in C.

The Package includes:

- 1 - MC998 Smartcard Reader
- 1 - MC998-PC RS-232 Cable
- 1 - MC998 Development CD-ROM
- 2 - Atmel AT24C16 Smartcards
- 2 - Atmel AT 24C64 Smartcards
- 2 - Infineon SLE4428 Smartcards
- 2 - Infineon SLE4442 Smartcards
- 1 - Product Support Registration & Warranty Confirmation

The M-Smart provides application developers with a handheld smartcard reader/writer with the features they need. Competitive pricing, compatibility with memory and microcontroller cards, an RS232 & infrared interfaces and most importantly: an SDK that allows developers to independently develop and load their own application code written in C.

Technical Specifications

CPU	32-Bit
Display	132x64 dot (16x8 characters) and 1 line of icons.) EL back light.
Memory	8MBit Flash (up to 32MBit)
Keypad	16 Keys, with back light.
Smartcard	1 ISO 7816 ID-1 card acceptor (up to 2) & 1 SAM acceptor.
Communication	1-RS-232 Port 1-IrDA Port (115,2000 bps) 1-Internal Modem (Optional) 1-POCSAG Pager (option)
Battery	4-AAA batteries.
Stand-by	<100uA
Dimensions	144 x 68 x 28 mm
Weight	< 7 oz.
Environment	-20*-70* C, Humidity < 98%