

M-Smart™ (Model MC998SC)

Handheld Smartcard Reader/Writer Enables Mobile Smartcard Applications

Features and Benefits

- Support ISO 7816 T=1 and T=0 smart-cards and memory smartcards
- 32-bit micro-processor for mobile application: Same as in Palm™ PDAs
- 8M Bit Flash & 1M Bit SRAM: large memory capacities
- Graphic LCD with COG Technology by Samsung
- Multiple smart card acceptors: 1 smart card, 1 SAM, and 2nd option smart card
- Top or bottom acceptor option
- Flying-wheel manual selection: operation finished by one hand
- Smart power management with sleep mode: super low power consumption. More than 5,000 hours in sleep mode.
- IrDA infrared communication port
- Printer hook-up via serial port/IrDA port
- Communication Module options
 - Modem
 - POCSAG Pager

Application Development Kit

- An M-Smart reader with 10 smartcards
- Development tools on a CD-ROM

Technical Specifications

CPU	32 Bit
Display	132x64 dot (16x8 letters) & 1 line icons. EL Backlite
Memory	8MBit Flash (up to 32Mbit) 1Mbit SRAM (up to 4Mbit)
Keypad	16 Keys, with backlite. 1 Flying Wheel
Smart Card	1 smartcard acceptor (up to 2) 1 SAM acceptor
Communication	1 RS232 Port 1 IrDA Port (115,2000 bps) 1 Internal Modem (option) 1 POCSAG Pager (option)
Battery	2-4 AAA batteries.
Stand-by	<100 µA in current
Sizes	144 x 68 x 28 mm
Weight	<7 oz.
Environment	-20°~70°C, Humidity <98%

Finally, a handheld smartcard reader/writer provides high reliability, easy development/ deployment, low power consumption, and communication capabilities from an industry pioneer in mobile smartcard terminals, makes mobile smart card applications possible. Loyalty, payment, event, identification, medical, access/inventory management, and any other smartcard application you can imagine. Applications can be easily developed in C programming language.



MagCard

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