

1060 SMART CARD READER FOR MOTOROLA MC70/75/75A CONTACT SMART CARD READER



A Snap-on Solution

This accessory for the MC70/75/75A series of terminals provides contact Smart Card functionality. The unit attaches as a snap on to the bottom of the terminal. The mechanical design of the module enables the attachment to remain compatible with existing MC70/75/75A accessories such as the desktop charge cradle.

The USB port from the terminal is brought through to the docking connector on the bottom of the Smart Card snap-on to provide ActiveSync connectivity to the terminal. Charge is passed through to allow the host terminal to be charged without removing the card reader.

Fully Compliant Smart Card Reader

The Smart Card Reader is compliant to ISO7816-1,2,3,4 and supports T=0 and T=1 protocols. A PC/SC compliant driver is provided. The reader is suitable for a wide range of applications across government, enterprise and financial sectors.

The smart card connector meets the requirements of ISO 7816-2 and is rated for a minimum of 500 000 insertion cycles. It uses landing contacts which touch the card only when it is almost fully inserted to minimize card and contact wear.

Features:

Rugged Design

Matches drop specification of MC70/75/75A terminal

One Piece Charging

The reader is powered by the MC70/75/75A, and charging is passed through the reader's docking connector to the host terminal

Standards based solution

Compliant to ISO7816-1,2,3,4 and supports T=0 and T=1 protocols

Reader Performance

Communication speed up to 115.2 kbits/s to host, 420 kbits/s to card. Supports embossed cards

SPECIFICATIONS

Physical Characteristics

Dimensions (max):	95mm × 80mm × 28mm
Weight:	90g
Enclosure material:	GE Lexan Polycarbonate
Colour:	Grey
Material finish:	Sparked surface

Contact Smart Card Reader

Compliance:	ISO7816-1,2,3,4 T=0, T=1 Protocol 2 wire (SLE 4432/42, S=10), 3 wire (SLE 4418/28, S=9) and I2C (S=8) also supported by reader hardware
Power Source:	MC70/75/75A switched 5V output
Current consumption:	Typically 30mA, excluding smart card operating current

Environmental

Operating Temp.:	-10°C to +50°C
Storage Temp.:	-40°C to +70°C
Humidity:	Up to 95% Relative humidity Non Condensing

Regulatory

Electrical Safety:	IEC 60950-1:2005 + A1:2010, EN 60950-1:2006 + A11:2009 + A1:2010 UL 60950-1:2007, CAN/CSA-C22.2 No. 60950-1-07
EMC:	EN 55022:2010, EN 55024:2010 USA – FCC Part 15 Class B Canada – ICES-003 Class B

PART NUMBERS

1060-02-SO-MC75-CSC	Smart Card Reader for Motorola MC70/75/75A
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WARRANTY

The TSL 1060 reader is warranted against defects in workmanship and materials for a period of one year (12 months) from date of shipment, provided the product remains unmodified and is operated under normal and proper conditions.

ABOUT TSL

TSL designs and manufactures both standard and custom embedded, snap on and standalone peripherals for handheld computer terminals. Embedded technologies include:

- RFID - Low Frequency, High Frequency & UHF
- *Bluetooth*® wireless technology
- Contact Smartcard
- Fingerprint Biometrics
- 1D and 2D Barcode Scanning
- Magnetic Card Readers
- OCR-B and ePassport

Utilizing class leading Industrial design, TSL develops products from concept through to high volume manufacture for Blue Chip companies around the world. Using the above technologies TSL develops innovative products in a timely and cost effective manner for a broad range of handheld devices.

CONTACT

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