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RFID Reader

The USB Desktop MT650 contactless card reader has a flat topped enclosure and comes with a 2 metre USB cable. The cable is not integral to the reader, so longer cables can be used if necessary. Rubber feet are fitted to ensure stability and avoid damage to surfaces. The unit is normally used with R/O or R/W firmware, although other firmware options are available.

Features

- Contactless smartcard reader based on Philips RC531 technology
- Supports Mifare cards
- Supports Innovision Jewel cards
- Read range 4 to 9cm
- Optionally removable antenna
- 7 uncommitted digital I/O lines (can be used for up to 12 key keypad)
- 3 buffered and filtered I/O lines (can be used for access control switches and sensors)
- Optional single pole relay with N/O and N/C outputs for heavy load switching (12v, 2A)
- Optional LED indicator
- Optional buzzer / audible indicator
- 2K bytes non-volatile memory for multiple key storage, can be extended up to 32K bytes
- Hardware watchdog device protects against transient failure
- User programmable serial number
- Optional real-time clock with battery backup
- Optional screw terminals for ease of connection

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RFID Reader : Spec

Power requirements
- 9v DC operation (160mA max) as standard
- 12v DC option
- 5v DC also possible by arrangement

Power is supplied via 3.5mm line jack socket. Requires 3.5mm jack plug (tip positive)

Serial Interface
RS232, at 115200 baud, 8 data bits, 1 stop bit, no parity, no hardware flow control.
Serial connection is to inbuilt 1.75m cable to female 9 pin D-type connector.

Interface USB v1.1

Card types

Mifare 1K and 4K
Mifare Desfire *
Mifare Plus *
Type A *
Innovision Jewel and Topaz *

*Depending on firmware

Electrical

Requires 5v dc at 160mA (max) supplied via the USB connection

Hardware options Optional LED

Firmware

Read Only
Read/Write
ITSO Read
Access Control
Bespoke