

## **MT650 Electrical Specification**

### 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.

### 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