

# MINI t-mac

MINI t-mac is ideal for businesses with fewer monitoring and control requirements. Ideal for machine condition monitoring or energy metering applications; the device can support 12x inputs and outputs locally and/or up to 30x MODBUS devices (machinery or metering equipment).

## Hardware specification

### 8 x configurable inputs (12 bit resolution)

Inputs can be individually configured to measure analogue 4-20mA, 0-10V, thermistor-based temperature sensors or volt-free digital inputs. Configuration is set via on-board jumpers.

### 4 x High side 1.5A digital pulse width modulation (PWM) FET outputs

Pulse width modulated outputs with in-built short circuit, overload and over temperature protection. Capable of controlling dimming circuits and small varying speed motor control circuits. Can also be configured as on/off digital for driving DC relays and contactors up to a current of 1.5A.

### GSM/GPRS Dual/Quad band digital modem

Provides GPRS or GSM connection to the Internet for communication with the central servers.

### 1 x RS485 Serial Port

For connecting to 3rd party devices over MODBUS RTU\*.

### 1 x RS232 Serial Port

For connecting to 3rd party devices over MODBUS RTU\*.  
\*Custom/OEM protocols can be incorporated on request.

### 4x LED status indicators

To provide local diagnostics information on signal strength, Internet and power.

### Internal sounder

To provide local alarm status.

### Enclosure types

Desktop – powder coated steel / wall mounted (panel) – powder coated steel / IP enclosure – plastic.

### Dimensions

Desktop:	175 x 90 x 36mm
Wall Mounted:	300 x 220 x 70mm
IP Enclosure:	254 x 180 x 63mm

### Certifications

CE Mark, FCC
Safety: 2006/95/EC – Low Voltage Directive
EMC: 2004/108/EC – EMC Directive
Other: 1999/5/EC – R&TTE Directive

### Part Numbers

001-0892	GPRS Dual band t-mac MINI in Desktop Enclosure
001-0933	GPRS Quad band t-mac MINI in Desktop Enclosure
001-0954	GPRS Dual band t-mac MINI in IP Rated Enclosure
001-0978	GPRS Quad band t-mac MINI in IP Rated Enclosure
001-1040	GPRS Dual band t-mac MINI in Wall Mounted Enclosure
001-1041	GPRS Quad band t-mac MINI in Wall Mounted Enclosure

