

MAXI t-mac

MAXI t-mac supports greater monitoring and control requirements than the MINI t-mac and also boasts the option of Ethernet connection as opposed to the wireless GPRS off-site communications route.

Ideal for building management system (BMS) applications, MAXI t-mac can support 42x inputs and outputs locally and/or up to 30x MODBUS devices (machinery or metering equipment).

Hardware specification

22 x configurable inputs (12 bit resolution)	Inputs can be configured to measure analogue 0-25mA, 0-10V, thermistor signals or volt free digital inputs. Configuration is enabled via a small onboard jumper.
4 x Frequency inputs with counters	For measuring and counting pulse inputs up to 2kHz. Capable of measuring signals from devices that give a pulse output e.g. flow meters, gas, water and electricity meters.
4 x High side 1.5A digital FET outputs	Digital outputs with in-built short circuit, overload and over temperature protection. Capable of driving DC relays and contactors up to a current of 1.5A.
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.
4 x Analogue 0-10V outputs	Capable of controlling dampers in ventilation systems, valves on boilers or radiators, fan speed controllers and indicator lamps.
4 x 5A, 24VDC/AC relay outputs	Capable of driving external, low voltage systems that require a volt-free input such as boilers, solenoid valves, pumps and external controllers.
GSM/GPRS Dual/Quad band digital modem	Provides GPRS or GSM connection to the Internet for communication with the central servers.
10 Base-T Ethernet	For connecting to the Internet via a corporate LAN or via your home broadband connection. Also used for connecting to LAN based 3rd party devices over TCP (eg MODBUS TCP*).
2 x RS232 Serial Port	For connecting to 3rd party devices over MODBUS RTU*.
1 x RS485 Serial Ports	For connecting to 3rd party devices over MODBUS RTU*. *Custom/OEM protocols can be incorporated on request.
USB Diagnostics Port	To alter settings and provide I/O diagnostics information.
8x LED status indicators	To provide local diagnostics information on signal strength, Internet, power, log, Rx & Tx and alarm.
Internal sounder	To provide local alarm status.
Enclosure types	Desktop - powder coated steel / wall mounted (panel) - powder coated steel / IP enclosure - plastic.

Dimensions

Desktop:	270 x 125 x 43mm
Wall Mounted:	300 x 350 x 70mm
IP Enclosure:	380 x 280 x 130mm

Certifications

Safety:	2006/95/EC - Low Voltage Directive
EMC:	2004/108/EC - EMC Directive
Other:	1999/5/EC - R&TTE Directive

Part Numbers

001-0819	GPRS Dual band t-mac MAXI in Desktop Enclosure
001-0958	GPRS Quad band t-mac MAXI in Desktop Enclosure
001-1032	GPRS Dual band t-mac MAXI in IP Rated Enclosure
001-1045	GPRS Quad band t-mac MAXI in IP Rated Enclosure
001-0974	GPRS Dual band t-mac MAXI in Wall Mounted Enclosure
001-0975	GPRS Quad band t-mac MAXI in Wall Mounted Enclosure

