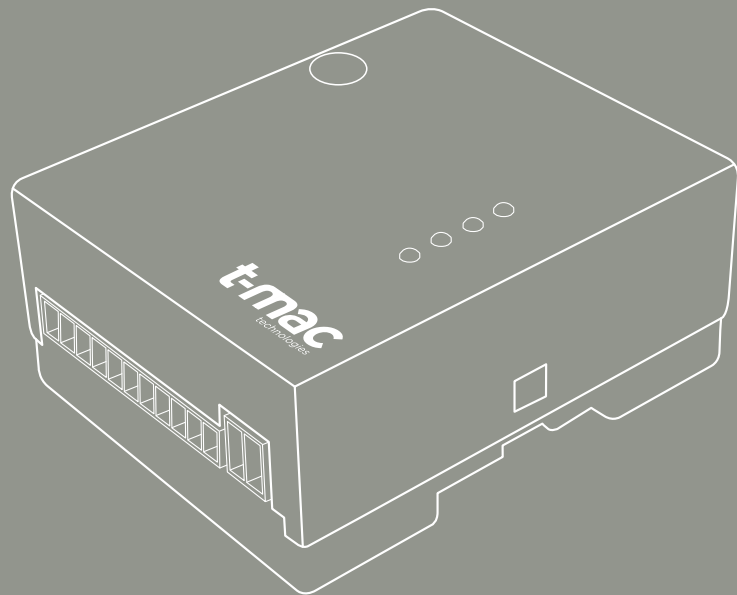


I/O EXPANSION MODULE

8 digital outputs

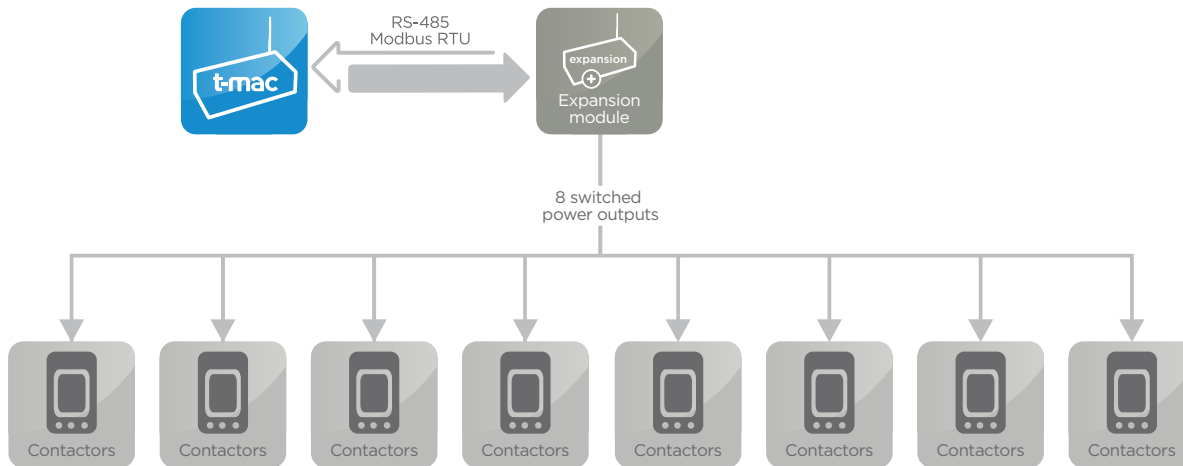


The I/O expansion module can be used to expand the I/O capabilities of any system which has an RS-485 Modbus RTU master (such as t-mac).

The 8 digital outputs can be used to control equipment and machinery by switching external contactors or relays.

The digital output states are (optionally) backed-up in non-volatile memory in case of power failure. All data is transmitted and received from the module via its RS-485 Modbus RTU interface.

Connection



To find out more about the t-mac system, please log-on to: www.t-mac.co.uk or email us: info@t-mac.co.uk

Specifications

Interface Module

Supply	10-30V DC (50mA typical at 24VDC (with no outputs on))
Dimensions	85mm x 70mm x 36mm
Operating temp	0°C to + 40°C
Storage temp	-10°C to + 50°C
Terminals	16 AWG 1.5mm ²
Status Indicators	4 LEDs for Power, Modbus RX, Modbus TX, Error
Digital Outputs	8

Digital Outputs

Type of digital output	Low sided switched power output
Maximum load current	100mA/channel
Load voltage	10-30VDC

Communications

Interface	RS-485 Modbus RTU
Address	1 default, 10/20/.../140 selectable via DIP switches (1-247 can be set via a Modbus register)
Baud Rate	9600 default (1200-57600 can be set via a Modbus register)
Parity	None default (Even/odd can be set via a Modbus register)
Stop bit	1

Ordering Information

Part No.	Description
001-1226	I/O Expansion Module (8 DO)



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