



## TBOXRM2

Connects a wide variety of electrical, electronic and mechanical devices and sensors to computers and applications via Ethernet networks

<b>Designation</b>	Industrial-grade remote I/O module
<b>Processor</b>	32-bit ARM9, 400MHz
<b>Clock</b>	Real-time clock with lithium battery backup
<b>Memory</b>	32MB NOR Flash 64MB DDR2 SDRAM 1MB SRAM with lithium battery backup
<b>Toggle switch</b>	Run – Stop – Reset
<b>Communication</b>	Ethernet (10/100), USB, Serial (RS-232 & RS-485)
<b>Power supply</b>	DC powered, 9 to 30VDC, solar panel can be used Card consumption is typically 1.2W @24VDC
<b>Power backup</b>	Embedded battery charger, 13.8VDC temperature compensated For sealed lead acid batteries only; recommended model: 12V, 7Ah
<b>Inputs/Outputs RM2-530</b>	16 digital inputs or outputs (The first 3 DI can be used as fast counter) 8 analog inputs (4-20mA or 0-10 VDC)
<b>Inputs/Outputs RM2-532</b>	Adds 2 analog outputs (4-20mA) to the I/O count above
<b>Inputs/Outputs RM2-540</b>	16 digital inputs or outputs (The first 3 DI can be used as fast counter) 6 analog inputs (4-20mA or 0-10 VDC) 2 temperature inputs (Pt1000)
<b>Inputs/outputs RM2-542</b>	Adds 2 analog outputs (4-20mA) to the I/O count above
<b>Outputs</b>	Fallback values in case of communication loss
<b>LED's</b>	LED for Ethernet, power and RUN No LEDs for Inputs/Outputs
<b>Protection</b>	Reverse polarity Internal soldered fuse
<b>Connectors</b>	Spring-cage terminal blocks for power, I/O, RS-232 and RS-485, USB type A , RJ45 for Ethernet
<b>Cabling</b>	RS232 - 2 wires: TxD, RxD RS485 - 2 wires: A+, B- Ethernet - straight pinned CAT5 shielded cable of crossover CAT5 shielded USB - A/A male cable (host to host)
<b>Operating System</b>	Linux Kernel with dedicated application
<b>Size</b>	150mm (H) x 83mm (D) x 29mm (W) / 5.91" x 3.27" x 1.14"
<b>Weight</b>	515gr/18.17oz
<b>Mounting</b>	DIN rail fixing
<b>Temperature</b>	Storage -40°C to +85°C / -40°F to 176°F Working: -40°C to +70°C / -40°F to +158°F
<b>Humidity</b>	5 - 95% non-condensing
<b>Altitude</b>	Max. 4000m
<b>Material</b>	Proprietary aluminium enclosure, Alodine coating against corrosion
<b>Approvals</b>	CE, UL/CSA, FCC, RCM, Class I Div.2, IEC 60068-2-6/27/31/64
<b>MTBF</b>	>1,000,000 hours, statement available upon request

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