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Specifications Sheet

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P/N: TMS-205

TMS-205 Software Thermal Interface Controller



The Koolance TMS-205 thermal management system provides convenient software control over features found in many Koolance systems: temperature feedback, pump speeds, and fan speeds. In addition to these basic functions, however, are a wealth of extra capabilities!

TMS-205 supports 64-bit and 32-bit versions of Microsoft Windows 8, 7, Vista, and XP. Hardware is included for mounting the TMS interface card into an empty motherboard slot or 5.25" drive bay. All communication occurs via an external or internal USB port, even when installed into a motherboard slot. The TMS hardware board is powered by a direct 12V Molex power supply connection.

Have dual cooling loops? With the optional TMS-EB205 Expansion Board, TMS-205 has the capability to double the number of components it can monitor and control.

(Please see the Koolance TMS-205 Screenshots page for detailed images of the software.)

***TMS-205 Main Board Features:**

- Temperature monitoring of up to 5 sensors, each with individual alarm and power shutdown settings
- User-defined pump "auto" settings: set the min/max temperature values and speed for one 12V DC pump
- User-defined fan "auto" settings: set the min/max temperature values and speed for three 12V DC fans
- Coolant flow rate reporting for one Koolance flow meter
- Pump and fan RPM reporting
- Pump performance test mode
- Logging and playback of: temperatures, fan speed, pump speed, and coolant flow rate (creates raw text file)
- Option for hardware or software safety shutdown with adjustable delay period, based on any temperature
- Allows custom alarm sounds through an available sound card
- Fan/Pump connector maximum = 2A/ea. Total board limit = 6.5A.

***Optional TMS-EB205 Expansion Board Features:**

- Adds 1 additional pump
- Adds 1 additional flow meter
- Adds 3 additional fans
- Adds 5 additional temperature sensors

*COMPATIBILITY NOTES: TMS can not adjust pump or fan speeds for Koolance "Exos" and "ERM" units without some customer DIY wiring extensions, and is not generally intended to be used with these external products. (Internal chassis or secondary radiator fans could be controlled instead.) Coolant flow reporting requires an optional Koolance INS-FM16, INS-FM17/N, or INS-FM18 flow meter. Pump power adjustment requires a Koolance 12V DC pump-based system, such as: RP-1000, PC4, PC5, TNK-400, RP-980, PMP-300, PMP-400, PMP-450/S (requires power adapter), etc. Pump speed RPM reporting requires 3-wire (tach) pumps. Fan speed RPM reporting requires 3-wire (tach) fans.

Components included: TMS interface board, metal L-bracket, aluminum 5.25" drive bay tray, 5 x temperature sensors, ATX shutdown lead, external USB cable, internal USB cable, Molex power extension, 3 x 3-pin fan wire extensions, 1 x 3-pin pump wire extension.

[Please check the Koolance website for the most recent version of TMS software.]

General	
Weight	1.00 lb (0.45 kg)