

System Monitor Eyes “Feel-good Data”



The new system monitor from Elma monitors and controls power supply voltages, temperatures and fan speed values. After the associated Eurocard (3U, 100 mm × 160 mm) has been integrated in the system, it can be accessed from anywhere in the world via the Internet and instructed to carry out commands. Owing to its platform independence, the unit can monitor VME, VME64x and CompactPCI. As it is designed as an open system, users can easily configure the settings and the assignments of the I/O pins and adapt them to their wishes. The unit can continuously monitor eight external voltages (five positive and three negative), six analog temperature signals and eight digital temperature signals -- all with freely configurable upper and lower limits. It can also monitor up to 12 fans and control their speeds in proportion to temperature changes. That keeps the noise level of the system at the minimum possible level for the current operating conditions. The fan speeds are controlled by PWM signals. All of the above functions are provided by a high-performance 16-bit microcontroller with an integrated 12-bit A/D converter.

Elma

510-656-3400, www.elma.com [1]

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