One Stop Systems • 2235 Enterprise Street, Suite #110, Escondido, CA 92029

System Monitor

Product #OSS-SYSMON2-MODULE

Description

System monitor and control board that communications to a host via an Ethernet or I2C connection.

Features

- 8 temperatures
- 8 fan tachs
- 8 voltages
- 16 GPIO
- Communicating to a host via an Ethernet (TCP/IP, TelNet, and UDP) or I2C connection.
- Embedded or with optional carrier boards for CPCI, RTM, VME or PCI/PCIe form factors
- Configuration parameters stored in nonvolatile FLASH

Specifications

Control and Monitoring Features	• Monitors temperature sensors 1-8 • Monitors fan tachometers 1-8 • Monitors voltages +12V, +5V, +3.3V, -12V, +5V (additional voltages up to 8) • Monitors up to 8 GP inputs (may be used for DC power signals, etc.) • Controls up to 8 GP outputs (may be used for LEDs, etc.)
Network Configuration	• Stored in nonvolatile memory and retained without power
Power Consumption	• 237mA at 5V = 1.2 watts • <-- the board runs on 5V only • Can be quickly and easily changed • Dip switch settings allow network configuration to restore to default settings
Mechanical	• 4 inches L (9cm) x 3 inches W (7.6cm) • 0.76 inches (1.9cm) stack height with passive heat sink
Temperature/ Humidity	• Operating Temperature — 40° to 85° C (32° to 185° F) • Storage Temperature — -40° to 85° C (-40° to 185° F) • Humidity — 5% to 90% non-condensing

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