



# Eurotech presents the CPU-1421

Pivari.com, July 31, 2006

URL: <http://www.pr9.net/comp/hardware/4205july.html>

*A new low power and RoHS compliant CPU module featuring four serial ports and two Fast Ethernet controllers*

PR9.NET July 31, 2006 - Amaro (Udine, Italy) – Eurotech has just released the CPU-1421, a new PC/104-Plus Single Board Computer ideally suited for applications requiring high reliability and low power consumption such as mobile systems in the transportation, industrial, medical and military environments.

The CPU-1421 replaces the CPU-1420 giving compliance with the 2002/95/CE (RoHS) directives. It is based on the AMD Élan SC520 133MHz processor with 64MB of onboard soldered SDRAM for high reliability. Peripheral interfaces include: four serial ports, two independent 10/100Mbps Ethernet controllers, a bi-directional EPP/ECP parallel port, an EIDE hard drive, speaker, keyboard and mouse; two additional 16-bit counter/timers are free for the user. Onboard features also include Real Time Clock and Watch Dog timer.

This very low power consumption module is ideal for systems that require passive or structural heat dissipation. The module and the Eurotech embedded BIOS ensure compatibility with popular commercial operating systems such as Windows CE, VxWorks, Linux and QNX.

The Embedded BIOS is located in a 1MB Flash EPROM and is re-programmable onboard. Set-up parameters are stored in non-volatile Flash memory to enable the module to operate without a battery and avoid corruption of set up data in the field.

The CPU-1421 has been designed for harsh environments, resisting vibration, humidity and temperature extremes. The standard operating temperature is 0°C to +60°C, qualification for -55°C to +85°C operating temperature range is possible. A complete ready-to-use hardware development system is also available to reduce development times.

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