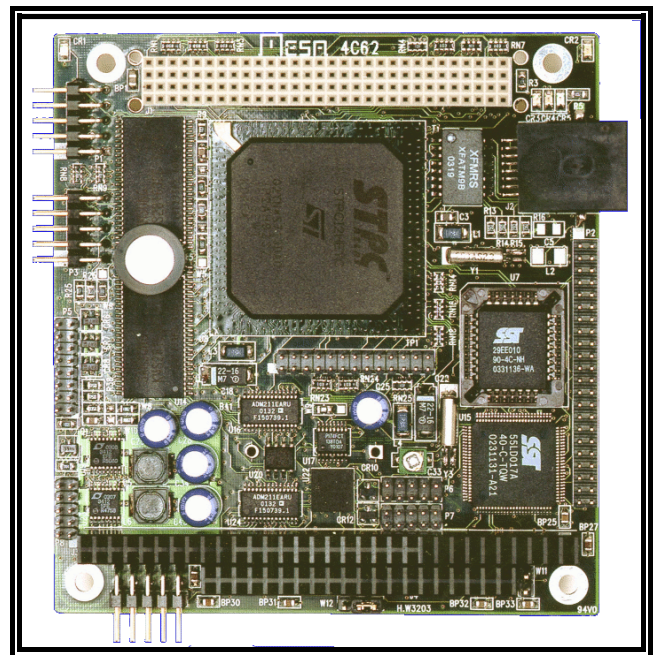# 4C62 PC104-PLUS CPU WITH VIDEO/ETHERNET

- **133 MHz 5X86 CPU with FPU**
- **32M or 64M bytes system RAM**
- **10/100 BaseT Ethernet**
- **Built-in SVGA video**
- **Built-in IDE flash drive**
- **2 USB Ports**
- **2 16C550 type RS-232 serial ports**
- **EPP/ECP/IEEE1284 parallel port**
- **Keyboard - PS/2 mouse interface**
- **Hardware watchdog timer**
- **5V only operation**
- **Made in USA - local support**
- **2 year warranty**

The 4C62 is a high performance, high integration 5X86 based PC/104-PLUS CPU card.

The 4C61A has built-in 10/100 Base T Ethernet, SVGA video, and on card IDE flash drive.

The built in video shares system memory (UMA) for low cost and high performance. The built-in SVGA/TFT video supports resolutions up to 1024x768 by 24 bits and video memory sizes from 512K to 4096K. The built-in SVGA video can be disabled if desired.

System memory can be 32M or 64M bytes. depending on 4C62 model. System memory is 64 bits wide for high performance.

A 16M to 128M byte IDE flash drive is built into the 4C62. Since the built-in flash drive is IDE compatible, no special drivers are needed, regardless of operating system.

An external IDE interface is also provided. IDE interfaces are PCI based or high performance.

Standard I/O include two 16C550 compatible RS-232 serial ports. One of the ports can be configured for RS-485 type interface.

A bi-directional EPP/ECP/IEEE1284 compliant parallel port is provided, as are a standard battery backed clock calendar, 2 USB ports, keyboard interface and a PS/2 type mouse interface.

A high performance National Semiconductor DP83816 PCI based 10/100 Base T Ethernet interface provides network connectivity.

The 4C62's watchdog timer and EEPROM BIOS setup storage make the 4C62 well suited to embedded applications.

Specifications:

Power Consumption:

4C62   1500 mA @ 5V   Max

Operating temperature range:

4C62-XX-C   0 - 70 $^{\circ}$C
4C62-XX-I   -40 - 85 $^{\circ}$C

ORDERING INFORMATION:
Base part number:

4C62

Add the following to the base 4C62 part number for these options:

-R32M for 32M system RAM
-R64M for 64M system RAM
-F32M for 32M flash drive
-F64M for 64M flash drive
-I for industrial temperature range.