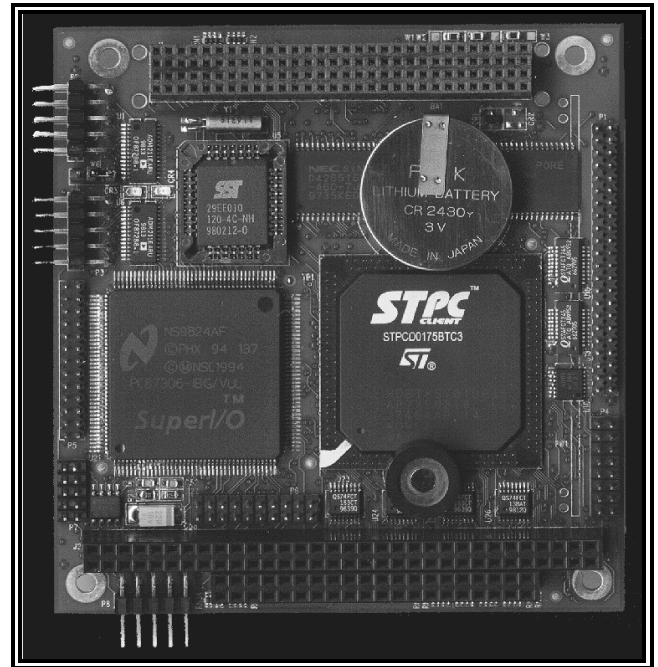# MESA

4C60 PC104-PLUS CPU WITH VGA

- **75 - 133 MHz 5X86 CPU with FPU**
- **8M or 32M bytes system RAM**
- **Built-in SVGA video**
- **Built-in IDE flash drive**
- **External IDE interface**
- **2 16C550 type RS-232 serial ports**
- **EPP/ECP/IEEE1284 parallel port**
- **Floppy interface**
- **Keyboard - PS/2 mouse interface**
- **Hardware watchdog timer**
- **5V only operation**
- **Made in USA - local support**
- **2 year warranty**

The 4C60 is a high performance, high integration 5X86 based PC/104-PLUS CPU card.

The 4C60 has built-in SVGA video that shares system memory (UMA) for low cost and high performance. The built-in SVGA 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 8M or 32M bytes. depending on 4C60 model. System memory is 64 bits wide for high performance.

A 8M or 16M byte IDE flash drive is built into the 4C60. 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 keyboard interface and PS/2 type mouse interface.

The 4C60's watchdog timer and EEPROM BIOS setup storage make the 4C60 well suited to embedded applications.

The 4C60 is a PC/104-PLUS card, meaning that in addition to the standard PC/104 connector, a stackable PCI bus connector is provided. This allows interfacing to high performance PC/104-PLUS peripherals. The 4C60 supports 3 bus mastering PC/104-PLUS cards or 4 slave PC/104-PLUS cards in addition to standard PC/104 peripheral cards.

The 4C60 can supply 3.3V power to PC/104-PLUS peripheral cards

Specifications:

Power Consumption:

4C60-75	1100 mA@ 5V	Max
4C60-100	1300 mA@ 5V	Max
4C60-133	1500 mA@ 5V	Max

Operating temperature range:

4C60-XX	0 - 70 ^{o}C
4C60-XX-I	-40 - 85 ^{o}C

3.3V power supplied to PC104-PLUS connector:

1000 mA	Max

ORDERING INFORMATION:

Base part numbers:

4C60-75	75 MHz 4C60
4C60-100	100 MHz 4C60
4C60-133	133 MHz 4C60

Add the following to the base 4C60 part number for these options:

-R8M for 8M system RAM

-R32M for 32M system RAM

-F8M for 8M flash drive

-F16M for 16M flash drive

-I for industrial temperature range.