8810 TURBO-XT CPU BOARD

OVERVIEW

The VMAX® 8810 CPU board is a complete Turbo XT motherboard on a 5.4" board. Designed and built in the US, the 8810 uses surface mount technology to deliver a high performance, highly flexible solution to the need for a smart embedded controller or general purpose PC/XT compatible computer. The Passive Backplane concept allows for quick replacement for repair or upgrade. 286/386/486 based boards are available when higher performance is required. The small size allows the design of truly small computers.

FEATURES

- 4.2" x 5.4" board size
- Full CPU for Passive Backplane
- Up to 2 Meg DRAM on board
- Includes EMM Memory Manager
- Surface Mount Technology
- Optional 8087 Co-Processor
- 4.77/10 MHz Dual CPU Clock & Bus speeds
- Compatible with MS-DOS 2.0-6.2

TECHNICAL SPECIFICATIONS

- **PROCESSOR**
  - NEC V20 (8088)
- **CO-PROCESSOR**
  - Intel 8087
- **PROCESSOR SPEED**
  - Dual Clock 4.77 MHz and 10MHz
- **SPEED INDEX**
  - 4.0 (Norton Sl v4.5)
- **PHYSICAL SIZE**
  - 4.2 x 5.4 inches -.7 inches thick
- **DRAM CAPACITIES**
  - 256K (1 256K x 9 SIMM)
  - 512K (2 256K x 9 SIMM)
  - 1 MEG (1 1MEG x 9 SIMM)
  - 2 MEG (2 1MEG x 9 SIMM)
- **EXPANDED MEMORY MANAGER**
  - LIM EMS compatible v4.0
  - Included with Board
- **BUS COMPATIBILITY**
  - Industry standard 8-bit edge connector for use with ISA Bus passive backplane
- **BOARD CONSTRUCTION**
  - 4-Layer
  - Power and Ground Plane
- **CONNECTIONS**
  - Keyboard
  - Speaker
  - Remote Reset

- **RESET SWITCH**
  -On Bracket
- **STANDARD PC RESOURCES**
  -3 Timer Channels
  -8 Vectored Interrupts
- **WAIT STATES**
  - Software Selectable
- **DMA BANDWIDTH**
  - 2Mb/sec
- **SOFTWARE COMPATIBILITY**
  - Runs MS-DOS 2.0 to 6.2
- **ROM BIOS**
  -64K EPROM
  -Proprietary
  -AutoConfiguration
  No switches to set
- **HIGH DENSITY FLOPPY DRIVE**
  Handing BIOS Versions
  -Specify BIOS Type for floppy 1.4/1.4M, 1.2/1.2M, or 1.2/1.4M Drives
  -Standard is 360K/720K
- **POWER CONSUMPTION**
  - less than 2 watts
- **ELECTRICAL REQUIREMENTS**
  - Single Supply +5 Volts @ 200 mA
- TEMPERATURE
  -Operating 0 to 60 degrees C (32 to 140F)
  -Non Operating -40 to 85 C (-40 to 185 F)
- **RELATIVE HUMIDITY**
  - 5-95%, Non-Condensing

ORDERING INFORMATION

When ordering, please specify the following information

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Description is: 8810 half card CPU Part number is: 8810-*
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*** Specify 256K, 512K, 1 Meg or 2Meg**

Tempustech, Inc. accepts Visa, Mastercard and Net 30 for applicants that qualify for credit terms.

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