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HARDWARE CONFIGURATION

The Intel® 430TX Pentium® PCI motherboard is based on the Intel® 430TX BGA Chipset. The chipset is a highly integrated solution for a cost-effective and compact motherboard. Features on-board include super-I/O, PCI bus master IDE(support ultra DMA 33MB/Sec), PCI Ver 2.1 compliance, USB, support of Pentium CPUs running at 75, 90, 100, 120, 133, 150, 166, 180, 200MHz, Cyrix 6x86 CPUs and AMD K5,K6 processors. DIMM and SIMM sockets are provided onboard, allowing flexible installation of main memory. The onboard pipelined burst cache further boosts the system performance

Key Features

Processor

- ZIF Socket 7.
- Full support for the Intel® Pentium processor with MMX technology using socket 7.
- Supports 50MHz, 55MHz, 60MHz and 66MHz bus speed including all Pentium® processors operating from 75MHz to 200MHz.
- Supports Cyrix 6x86 and AMD K5,K6 processors.

Cache

- The external cache policy is direct-mapped, write-back.
- 256KB or 512KB synchronous pipelined burst cache is supported.

System Memory

- 8M to 256MB
- A total of four 72-pin SIMM sockets and two 168-pin DIMM sockets.
- Both 5V Fast Page Mode and Extended Data Output (EDO) DRAM types are supported by SIMM sockets.
- 3.3V SDRAM or 5V Fast Page/EDO DRAM can be supported by DIMM sockets.

Memory Organization

Four 72-pin SIMM Sockets

- System memory is divided into two banks. Each bank has two 72-pin SIMM slots.
- Supports Fast Page Mode (FPM), Extended Data Out (EDO) at , 60 and 70ns speeds.
- Supports Symmetrical and Asymmetrical DRAM addressing.
- Memory size from 8M byte up to 256M byte.
- Supports single-density SIMMs of 512KBx32, 1MBx32, 2MBx32and 4MBx32 depth and 16MBx32 depth.
- Supports double-density SIMMs of 1MBx32, 2MBx32, 4MBx32 and 8MBx32 depth.
- Banks of different DRAM types and depths can be mixed.