

M6117
386SX Enhanced Microprocessor

Product Brief

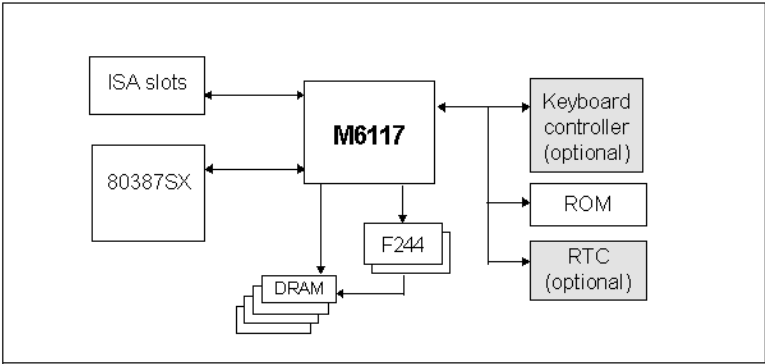
- Integrated M1386 (386SX-40) & ALi M1217-40 (386SX Core Logic)
- Built-in RTC & KBC
- MS-DOS, MS Windows 3.1, Windows 95, OS/2, 286/386 Unix compatible
- Supports PMU Green function, low power consumption
- 5V, 40 MHz or 3.3V, 25 MHz operating frequency with 3.3V or 5.0V I/O
- Supports DRAM up to 64 MB
- Supports DRAM self refresh
- Single Chip 208-pin TQFP/PQFP package, 0.6 μ triple metal process

Applications

- Word Processor
- Point-of-Sale Terminals
- Personal Digital Assistants
- Palmtops
- Notebook computers
- Desktop computers
- Digital Diary

The ALi M6117 is an enhanced 386SX microprocessor. This high performance microprocessor is a combination of ALi's M1386SX and M1217 system chip at 40 MHz. It has built-in real time clock and keyboard controller. More importantly, it is MS-DOS, MS Windows 3.1, Windows 95, OS/2 and 286/386 Unix compatible. It supports power management's Green function so it consumes less power. It operates at 3.3V and 5V, 25 MHz and 40 MHz frequency respectively. It supports DRAM up to 64MB. Furthermore, ALi's M6117 gives a better performance than the 386SX at the same clock rate.

M6117 System Block Diagram



M6117 Internal Block Diagram

