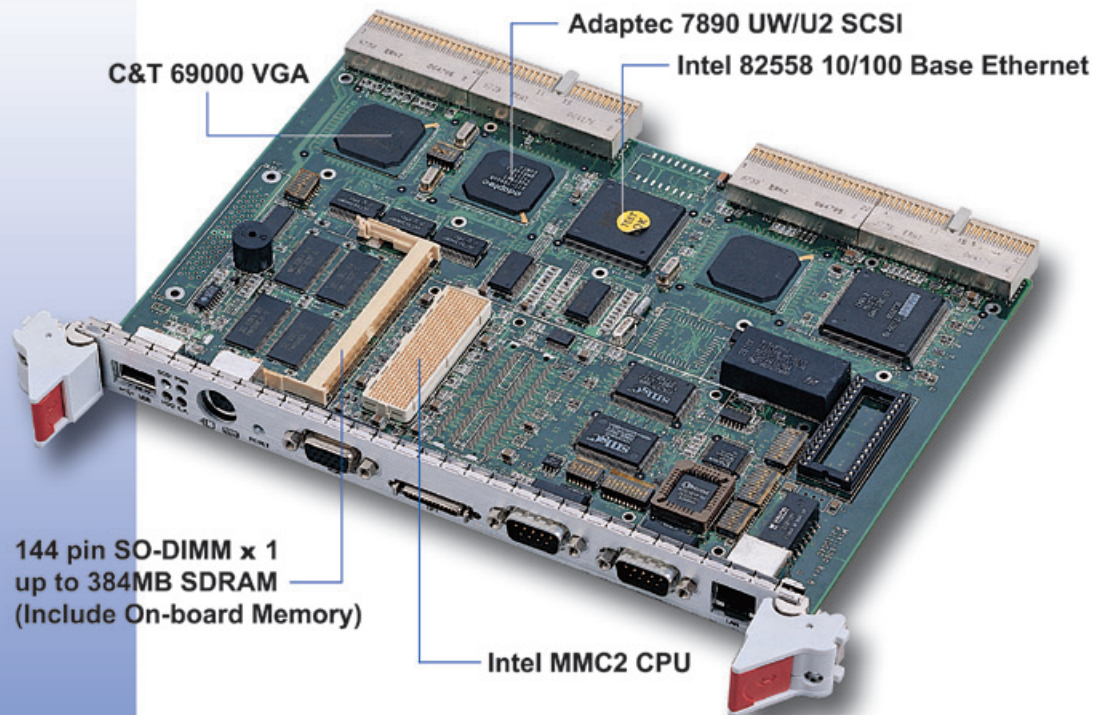


# MAXI 6560

6U MMC 2 Pentium II AIO CompactPCI CPU Board

One slot with Heat sink



## Introduction

The MAXI 6560 is a 6U CompactPCI CPU board which is designed based upon Intel's notebook architecture and achieves the widest ever CPU support. With unique MMC2 architecture, the MAXI 6560 could support Intel Mobile Module (IMM), with Pentium II from 233 MHz to 466 MHz. The MAXI 6560 is the only product that could support three CPU families on the same design in the world. The memory support is 64 MB or 128 MB SDRAM mounted on board for real ruggedized applications. One special feature of the MAXI 6560 is the Front I/O, Rear I/O options. The connectors and cables can all go from the rear side, which makes a clean operation environment and significantly shortens the MTTR.

## Features

- ◆ Intel MMC2 Based CPU module support: Intel Pentium II 233MHz up to 466MHz
- ◆ On board 64/128MB SDRAM, support 384MB SDRAM (Max), SO-DIMM x 1
- ◆ C&T 69000 VGA Controller with CRT/LCD support
- ◆ Intel 82558 10/100 Base Ethernet Controller
- ◆ Adaptec 7890 Ultra 2 SCSI Controller
- ◆ On board socket for DiskOnChip up to 144MB
- ◆ 4S1P, IDE x 1, FDC x 1, RS-422/485 x 2
- ◆ Front I/O, Rear I/O options, support 7 PCI slots
- ◆ Hot Swap support

# MAXI 6560

## Specifications

### System Architecture

- 6U CompactPCI CPU board
- Intel MMC2 architecture
- PCI V2.1 complied
- PICMG 2.0 R2.1 complied
- PICMG 2.1 R1.0 Hot Swap complied

### CPU Support

- Intel CPU module
- MMC2 connector×1

### Main Memory

- On board 64/128MB SDRAM (ECC support)
- 144 pin SO-DIMM×1 reserved
- Maximum 384MB SDRAM support

### BIOS

- Award System BIOS
- Plug & Play support
- Advanced Power Management support
- 2M bits flash ROM

### On Board VGA

- C&T 69000 VGA controller
- TFT LCD/DSTN LCD/CRT control
- 2MB SDRAM on die
- Maximum Res. Color & Refresh Rate

Resolution	Colors	Refresh Rate (Hz)
1280×1024	256	60
1024×768	16bits (High color)	85, 75, 60
800×600	24bits (True color)	85, 75, 60

- Drivers support : Windows 95/98, Windows NT4.0
- 15 pin CRT connector×1 (Front I/O & Rear I/O option), 40 pin LCD panel connector×1 (Rear I/O)

### On Board LAN

- Intel 82558 single chip Ethernet controller
- 10 Base T/100 Base TX support, full duplex
- Complied with PCI V2.1, IEEE 802.3, IEEE 802.3U
- Backward compatible with former 82557 Ethernet controller based net modules
- Drivers support: DOS/Windows, Netware, Windows 95/98, Windows NT4.0, SCO Open Server 5.0
- RJ45 connector×1

### On Board SCSI

- Adaptec AIC7890 RISC controller
- Ultra 2 SCSI up to 80MB/s (Max.) data rate
- Up to 12 meter cable support
- Backward compatible with Ultra wide, Ultra 2 SCSI
- Drivers support: DOS, Windows, Windows 95, Windows NT, SCO Open server, Novell, Netware
- 68 pin wide SCSI connector×1 (Rear I/O MAXI 600 option)

### On Board I/O

- SMSC 37C669+37C602 Super I/O×2 on board
- SIO×4, with 2×RS422/485 (option), 9 pin D-type×2 (Front I/O)
- PIO×1, Bi-Directional, EPP/ECP support, 20 pin micro connector×1 (Both Front & Rear I/O)
- Floppy disk controller: 5.25" 360K/1.2MB, 3.5" 720K/1.2MB /1.44MB/2.88MB support

- On chip enhanced IDE×2, PIO up to mode 4, DMA master up to mode 2, Ultra DMA/33 support, 40 pin×1 (Rear I/O), total 2 E.IDE Devices support
- On chip keyboard, mouse controller, PS/2 keyboard, 6 pin mini DIN×1, PS/2 mouse, 6 pin mini DIN×1
- On board USB port connector×1(Both Front & Rear I/O)
- On board buzzer×1

### On Board RTC

- High precision real time clock/calendar with battery back up

### On Board Solid State Disk Socket

- On board reserved socket for DOC of M-systems: 2MB~144MB, etc

### Watchdog Timer

- 1,2,4...64 seconds time-out intervals

### Front I/O Connectors

- USB×1, Power/HDD LED/LAN/SCSI×4
- KB/Mouse mini DIN×1
- VGA (15 pin D-type)×1
- Micro connector×1 for printer
- RS-232 (9 pin D-TYPE)×2
- RJ45×1

### CompactPCI Connectors

- J1/J2 for 1<sup>st</sup> PCI Bus
- J4/J5 for Rear I/O(Do not comply with 2nd PCI BUS)
- IDE×2
- FDC×1
- 10 Base T/100 Base TX
- Ultra 2 SCSI
- 4S1P
- Keyboard/Mouse
- VGA
- LCD panel connector

### Dimensions

- 233.35mm(L)×160mm(W)

### Power Requirements

- +3.3V: 6A (Max.)
- +5V: 5A (Max.)

### Environments

- Operating temperatures: 0°C to 60°C
- Storage temperatures: -20°C to 80°C
- Relative humidity: 10% to 90% (Non-condensing)

### Certification

- CE approval
- FCC Class A

## Model Available

### MAXI 6560F

- 6U MMC2 Pentium II AIO CompactPCI CPU Board (for Front I/O)

### MAXI 6560R

- 6U MMC2 Pentium II AIO CompactPCI CPU Board (for Rear I/O MAXI 600)

### MAXI 6560D

- 6U MMC2 Pentium II AIO CompactPCI CPU Board (with 14 CompactPCI slots support)

### MAXI 6560M

- 6U MMC2 Pentium II AIO CompactPCI CPU Board (is designed for military application with a special heat sink)