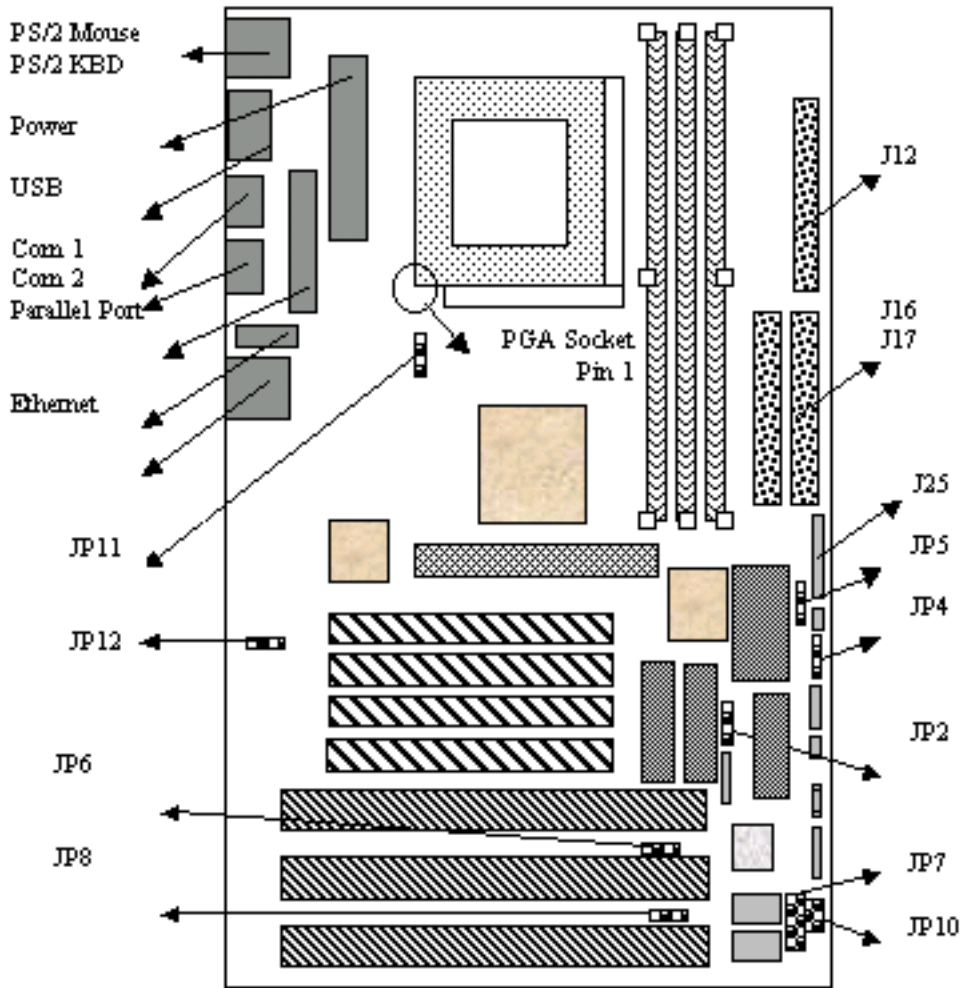


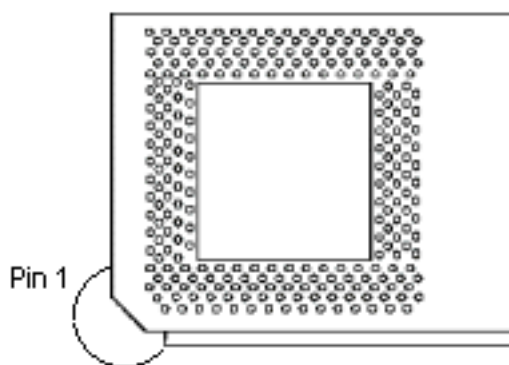
This quick installation guide was designed to help with the basic configuration for the Raptor ATX. More detailed information can be found in the installation guide.



Processor Installation: When installing the processor, make sure to select the correct setting for the BUS clock through jumper JP11. *Incorrect BUS clock selection can cause damage to the CPU and void the product warranty.*

To install the processor follow these steps:

1. Lift the lever of the PGA socket and gently insert the processor. *Make sure the diagonal notch on the processor matches the notch on the socket. This notch represents pin 1.*
2. Make sure the processor is inserted all the way.
3. Lower lever.






Memory Configuration: The Raptor ATX features three memory banks (3 DIMM sockets) allowing up to 384MB of unbuffered SDRAM or up to 768MB of registered SDRAM with ECC support.

Jumper Selection Table

Jumper	Description	Manufacturer's Settings	Jumper Position
JP2	Flash BIOS Selection	Write Protected	1-2
JP4	Power-On Selection	Power-On Immediately	1-2
JP5	CMOS REST	Normal	1-2
JP6	Watchdog Timer I/O Address	110	1-2
JP7	Disk-On-Chip Address Selection	D000/D400	1-2
JP8	Watchdog Timer Time-Out	1200ms	1-2
JP10	Watchdog Timer HDW/SFW Selection	Disabled	3-4
JP11	BUS Clock Selection	Auto	1-2
JP12	Ethernet Selection	Enable	1-2

Processor BUS Frequency Table

BUS Speed	Auto	66 MHz	100 MHz
JP11	1-2 	2-3 	3-4 

CPU Support

- PGA370 socket architecture supports Intel Pentium® Celeron® processors up to 466MHz

Bus Clocks

- 66 and 100MHz supported

Memory

- Three banks (3 sockets) DIMM up to 384MB SDRAM or up to 768MB registered SDRAM, ECC supported

Ethernet

- On-board 10 Base-T/200Mbps (Intel 82559ER)

On-Board I/O

- Two floppies with 2.88 MB
- Two high speed RS-232 serial ports 16Bytes FIFO (16550)
- One parallel port (bi-directional, ECP/EPP compatible)
- One PS/2 mouse connector and one PS/2 keyboard connector
- Two Universal Serial Bus connectors
- One AGP, four PCI and three ISA slots
- Dual-channel PCI 32-bit EIDE controller
- RJ34 ethernet connector
- ULTRA-DMA up to 33MB/sec. supported
- LS120 drive supported

On-Board Flash Disk (optional)

- On-board two single-chip flash disk device in a standard 32-pin DIP socket up to 288MB of capacity with high-speed boot-up capabilities

On-Board Industrial Device (optional)

- Post (Power-On-Self-Test) code display
- Hardware/software watchdog Timer

ROM BIOS

