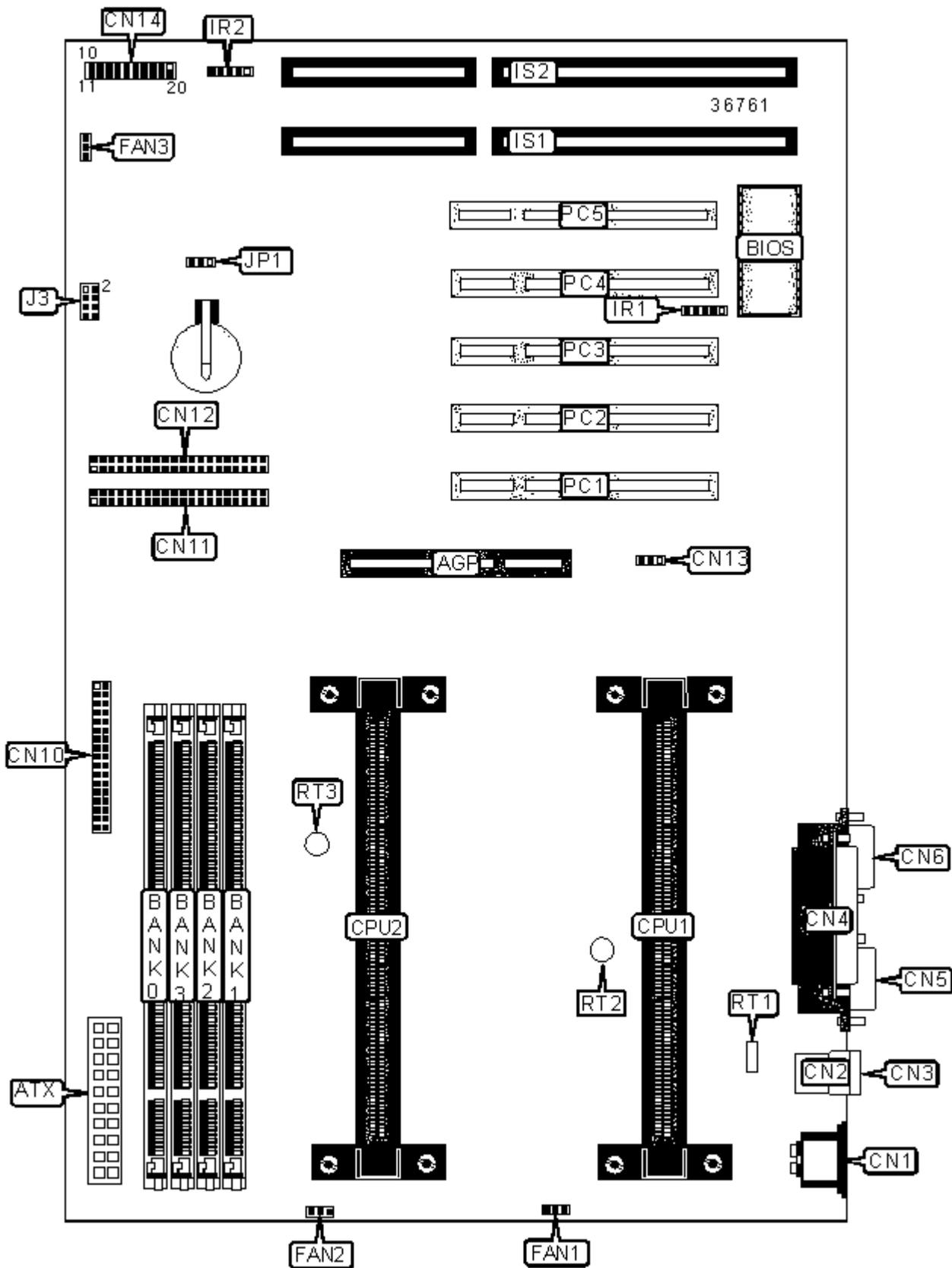


# ENPC TECHNOLOGY CORPORATION

EP-KB22 (REV. A)

<b>Device Type</b>	Mainboard
<b>Processor</b>	Pentium II (2)
<b>Processor Speed</b>	233/266/300/333/350/375/400/450/500MHz
<b>Chip Set</b>	Intel 440BX
<b>Maximum Onboard Memory</b>	1024MB (EDO & SDRAM supported)
<b>Cache</b>	256/512KB (located on the Pentium II CPU)
<b>BIOS</b>	Award
<b>Dimensions</b>	305mm x 215mm
<b>I/O Options</b>	16-bit ISA slots (2), 32-bit PCI slots (5), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connectors (2), USB ports (2), ATX power connector, AGP slot, Wake on LAN connector



### CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Turbo LED	CN14/Pins 7 & 8

ATX power connector	ATX	IDE interface LED	CN14/Pins 9 & 10
PS/2 mouse port	CN1	Speaker	CN14/Pins 11 - 14
USB port 1	CN2	Power LED & keylock	CN14/Pins 15 - 19
USB port 2	CN3	CPU fan 1 power	FAN1
Parallel port	CN4	CPU fan 2 power	FAN2
Serial port 2	CN5	Front panel fan power	FAN3
Serial port 1	CN6	IR 1 connector	IR1
Floppy drive interface	CN10	IR 2 connector	IR2
IDE interface 2	CN11	16-bit ISA slots	IS1-IS2
IDE interface 1	CN12	32-bit PCI slots	PC1 - PC5
Wake on LAN connector	CN13	Unidentified	RT1
Reset switch	CN14/Pins 1 & 2	Thermal sensor 1	RT2
Power switch	CN14/Pins 5 & 6	Thermal sensor 2	RT3

### USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JP1	Pins 1 & 2 closed
	CMOS memory clear	JP1	Pins 2 & 3 closed

### DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2	Bank 3
8MB	(1) 1M x 64	None	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None	None
16MB	(1) 2M x 64	None	None	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64	None
32MB	(1) 1M x 64			
32MB	(1) 2M x 64	(1) 2M x 64	None	None
32MB	(1) 4M x 64	None	None	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	None

64MB	(1) 2M x 64			
64MB	(1) 4M x 64	(1) 4M x 64	None	None
64MB	(1) 8M x 64	None	None	None
80MB	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
128MB	(1) 4M x 64			
128MB	(1) 8M x 64	(1) 8M x 64	None	None
128MB	(1) 16M x 64	None	None	None
144MB	(1) 8M x 64	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
160MB	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
256MB	(1) 8M x 64			
256MB	(1) 16M x 64	(1) 16M x 64	None	None
256MB	(1) 32M x 64	None	None	None
272MB	(1) 16M x 64	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
288MB	(1) 16M x 64	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
320MB	(1) 16M x 64	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	None
384MB	(1) 16M x 64	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
512MB	(1) 16M x 64			
512MB	(1) 32M x 64	(1) 32M x 64	None	None
528MB	(1) 32M x 64	(1) 32M x 64	(1) 1M x 64	(1) 1M x 64
544MB	(1) 32M x 64	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
576MB	(1) 32M x 64	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
640MB	(1) 32M x 64	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	None
768MB	(1) 32M x 64	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64

1024MB	(1) 32M x 64			
Note: Board supports EDO & SDRAM memory.				

### CACHE CONFIGURATION

Note: 256KB/512KB cache is located on the Pentium II CPUs.

### CPU MULTIPLIER SELECTION

Multiplier	JP2/Pins 1 & 2	JP2/Pins 3 & 4	JP2/Pins 5 & 6	JP2/Pins 7 & 8
2.5x	Closed	Closed	Open	Closed
3x	Closed	Open	Closed	Closed
3.5x	Closed	Open	Open	Closed
4x	Open	Closed	Closed	Closed
4.5x	Open	Closed	Open	Closed
5x	Open	Open	Closed	Closed
5.5x	Open	Open	Open	Closed