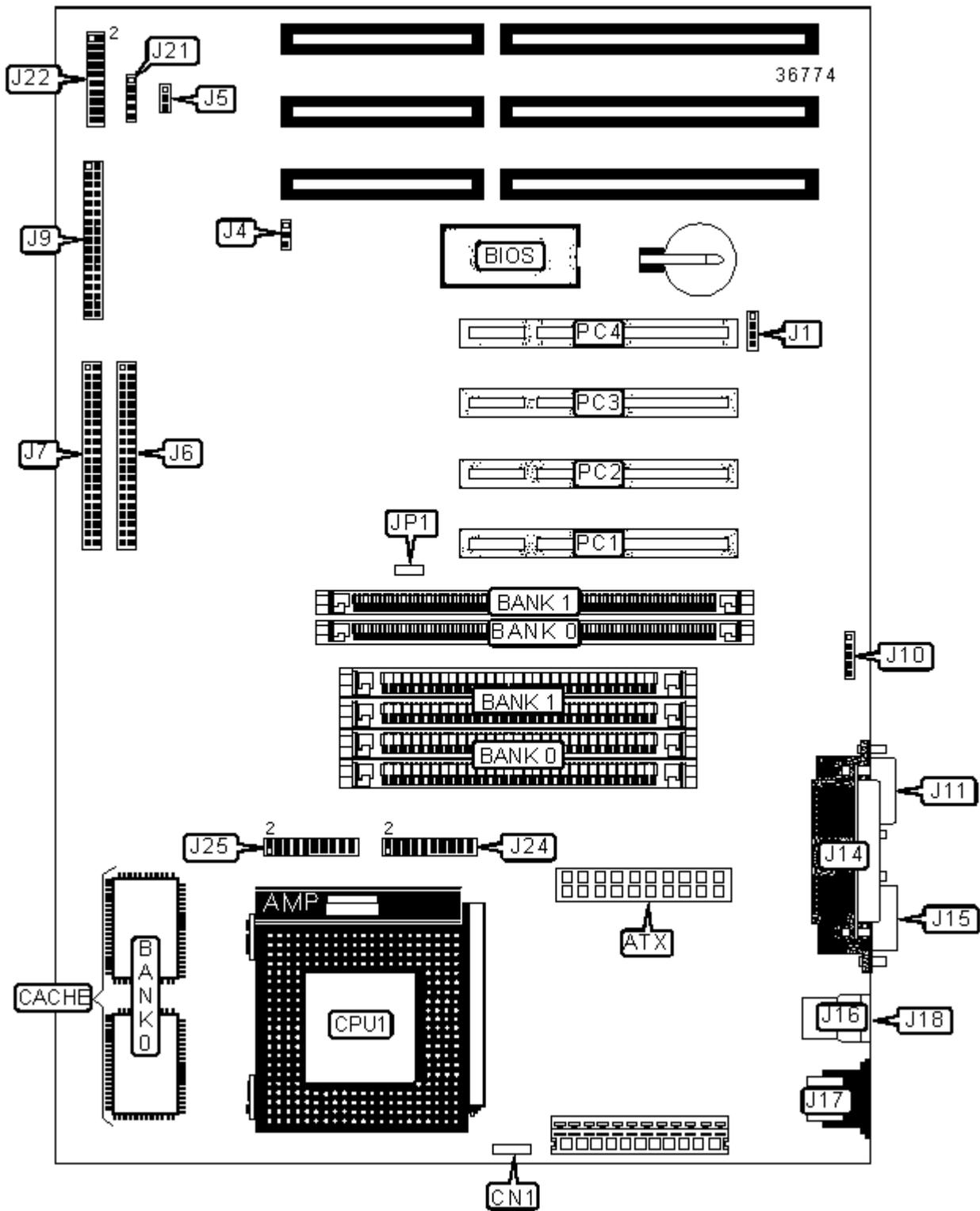


ENPC TECHNOLOGY CORPORATION

EP-PT21 (REV. 1.3)

Device Type	Mainboard
Processor	CX 686MX/CX M2/AM K5/AM K6/Pentium/Pentium MMX/IDT C6
Processor Speed	75/90/100/120/133/150/166/180/200/225/233/240/266/300MHz
Chip Set	Intel 430TX
Maximum Onboard Memory	256MB (EDO, & SDRAM supported)
Cache	256/512KB
BIOS	AMI/Award
Dimensions	305mm x 210mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connectors (2), USB ports (2), ATX power connector, Program connector, external battery connector



CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	USB port 1	J16
Program connector	CN1	PS/2 mouse port	J17
External battery connector	J1	USB port 2	J18

CPU fan power	J5	IR connector (front)	J21
IDE interface 1	J6	Speaker	J22/Pins 1, 3, 5, 7
IDE interface 2	J7	IDE interface LED	J22/Pins 2 & 4
Floppy drive interface	J9	Turbo LED	J22/Pins 6 & 8
IR connector (rear)	J10	Power LED	J22/Pins 9, 11, 13
Serial port 1	J11	Power switch	J22/Pins 10 & 12
Parallel port	J14	Reset switch	J22/Pins 18 & 20
Serial port 2	J15	32-bit PCI slots	PC1 - PC4

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	J4	Pins 2 & 3 closed
	CMOS memory clear	J4	Pins 1 & 2 closed
	SDRAM voltage selection (3.3v/5v)	JP1	Unidentified

SIMM CONFIGURATION

Size	Bank 0	Bank 1
8MB	(2) 1M x 36	None
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 4M x 36	(2) 2M x 36
64MB	(2) 8M x 36	None
64MB	(2) 4M x 36	(2) 4M x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 8M x 36	(2) 2M x 36

96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36
128MB	(2) 16M x 36	None
136MB	(2) 16M x 36	(2) 1M x 36
144MB	(2) 16M x 36	(2) 2M x 36
160MB	(2) 16M x 36	(2) 4M x 36
192MB	(2) 16M x 36	(2) 8M x 36
256MB	(2) 16M x 36	(2) 16M x 36

Note: Board accepts EDO & SDRAM memory.

Note: If using both SIMM and DIMM memory, only one bank of each may be filled simultaneously.

DIMM CONFIGURATION		
Size	Bank 0	Bank 1
8MB	(1) 1M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
16MB	(1) 2M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64
32MB	(1) 4M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64
64MB	(1) 8M x 64	None
72MB	(1) 8M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64
128MB	(1) 16M x 64	None
136MB	(1) 16M x 64	(1) 1M x 64

144MB	(1) 16M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64

Note: Board supports EDO & SDRAM memory.

Note: If using both SIMM and DIMM memory, only one bank of each may be filled simultaneously.

CLOCK SPEED SELECTION

Speed		J24
»	66MHz	Pins 17-20 open
	75MHz	Pins 17 & 18 closed
	83.3MHz	Pins 19 & 20 closed

CPU TYPE SELECTION

Type	J25
Pentium	Pins 1 & 2 closed
Pentium MMX	Pins 3 & 4 closed
AM K5	Pins 5 & 6 closed
AM K6	Pins 7 & 8 closed
CX 6X86MX	Pins 9 & 10 closed
CX M2	Pins 11 & 12 closed
IDT C6	Pins 13 & 14 closed

CPU MULTIPLIER SELECTION

Multiplier	J24
1.5x	Pins 1 & 2 closed
2x	Pins 3 & 4 closed
2.5x	Pins 5 & 6 closed
3x	Pins 7 & 8 closed
3.5x	Pins 9 & 10 closed

4x	Pins 11 & 12 closed
4.5x	Pins 13 & 14 closed
5x	Pins 15 & 16 closed

MISCELLANEOUS TECHNICAL NOTES

Processor speeds listed include the speeds available for the Cyrix 6X86MX CPU, which is synonymous with the Cyrix M2 CPU.