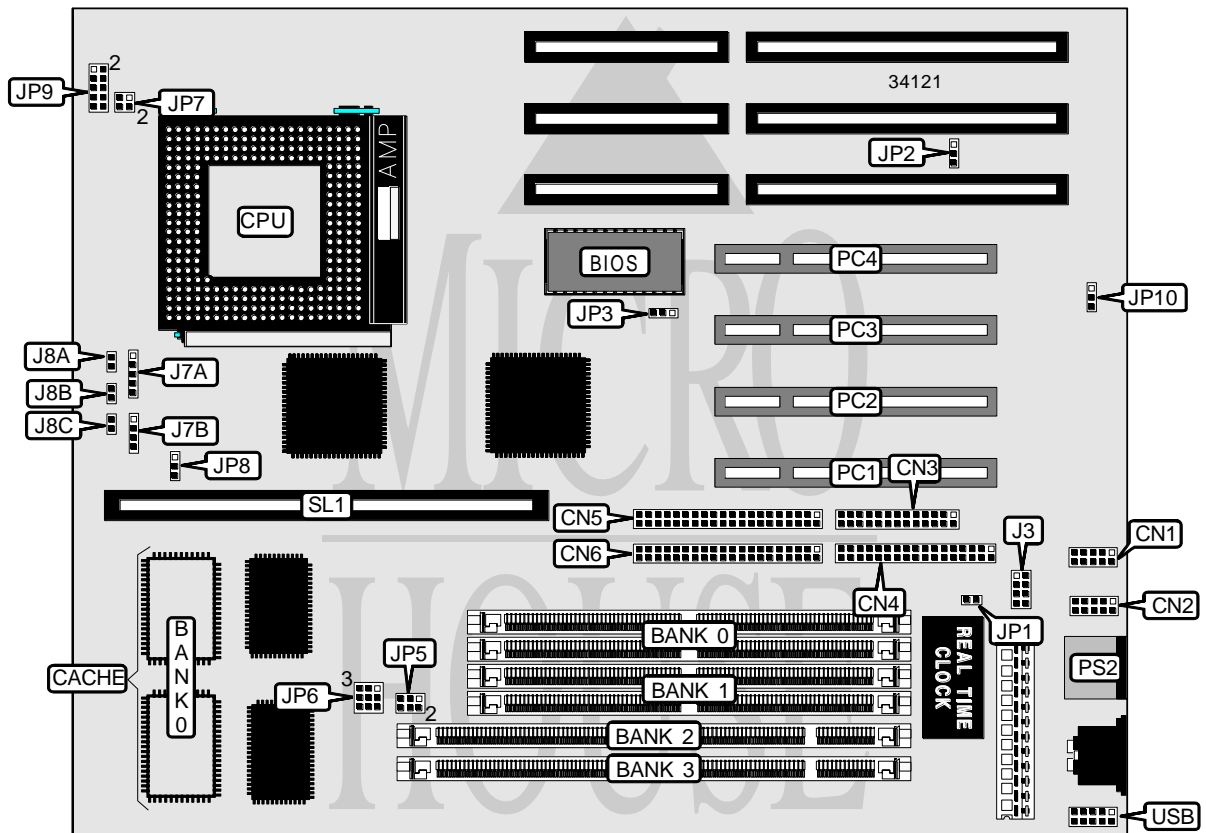


AMPTRON INTERNATIONAL, INC.

PM-9000

Processor	CX M1/IBM/AM K5/Pentium
Processor Speed	75/90/100/120/133/150/166/180/200MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	128MB (EDO supported)
Maximum Video Memory	None
Cache	256/512KB
BIOS	Award
Dimensions	260mm x 220mm
I/O Options	32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse port, PS/2 mouse interface, serial ports (2), cache slot, USB connector
NPU Options	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
Serial port 1	CN1	Speaker	J7B
Serial port 2	CN2	Reset switch	J8A
Parallel port	CN3	IDE interface LED	J8B
Floppy drive interface	CN4	Turbo LED	J8C
IDE interface 2	CN5	32-bit PCI slots	PC1 – PC4
IDE interface 1	CN6	PS/2 mouse port	PS2
PS/2 mouse interface	J3	Cache slot	SL1
Power LED & keylock	J7A	USB connector	USB

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í CMOS memory normal operation	JP1	Open
CMOS memory clear	JP1	Closed
Flash BIOS voltage select 12v	JP3	Pins 1 & 2 closed
Flash BIOS voltage select 5v	JP3	Pins 2 & 3 closed
í Factory configured - do not alter	JP10	Pins 1 & 2 closed

DIMM/DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
8MB	(2) 1M x 36	None	None	None
8MB	None	None	(1) 1M x 64	None
16MB	(2) 2M x 36	None	None	None
16MB	None	None	(1) 2M x 64	None
16MB	(2) 1M x 36	(2) 1M x 36	None	None
16MB	(2) 1M x 36	None	None	(1) 1M x 64
16MB	None	None	(1) 1M x 64	(1) 1M x 64
24MB	None	(2) 2M x 36	(1) 1M x 64	None
32MB	(2) 4M x 36	None	None	None
32MB	None	None	(1) 4M x 64	None
32MB	(2) 2M x 36	None	None	(1) 2M x 64
40MB	(2) 4M x 36	(2) 1M x 36	None	None
40MB	(2) 4M x 36	None	None	(1) 1M x 64
48MB	(2) 4M x 36	(2) 2M x 36	None	None
48MB	(2) 4M x 36	None	None	(1) 2M x 64
64MB	(2) 8M x 36	None	None	None
64MB	None	None	None	(1) 8M x 64
64MB	(2) 4M x 36	(2) 4M x 36	None	None
64MB	(2) 4M x 36	None	None	(1) 4M x 64
64MB	None	None	(1) 4M x 64	(1) 4M x 64
72MB	(2) 8M x 36	(2) 1M x 36	None	None
72MB	(2) 8M x 36	None	None	(1) 1M x 64

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DIMM/DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
80MB	None	(2) 2M x 36	(1) 8M x 64	None
80MB	(2) 2M x 36	None	None	(1) 8M x 64
80MB	(2) 8M x 36	(2) 2M x 36	None	None
80MB	(2) 8M x 36	None	None	(1) 2M x 64
96MB	(2) 4M x 36	None	None	(1) 8M x 64
96MB	(2) 8M x 36	(2) 4M x 36	None	None
96MB	(2) 8M x 36	None	None	(1) 4M x 64
96MB	None	(2) 8M x 36	(1) 4M x 64	None
128MB	None	None	(1) 8M x 64	(1) 8M x 64
128MB	(2) 8M x 36	(2) 8M x 36	None	None
128MB	(2) 8M x 36	None	None	(1) 8M x 64

Note: Board accepts EDO memory.

DIMM VOLTAGE CONFIGURATION	
Voltage	JP5
3.3v	Pins 3 & 5, 4 & 6 closed
5v	Pins 1 & 3, 2 & 4 closed

CACHE CONFIGURATION		
Size	Bank 0	SL1
256KB	(2) 32K x 32	Not installed
512KB (A)	(2) 32K x 32	256KB module installed
512KB (B)	(2) 64K x 32	Not installed

CACHE JUMPER CONFIGURATION	
Size	JP8
256KB	Pins 1 & 2 closed
512KB (A)	Pins 2 & 3 closed
512KB (B)	Pins 2 & 3 closed

CPU SPEED SELECTION (CYRIX)					
CPU speed	Clock speed	Multiplier	JP2	JP6	JP7
120MHz	50MHz	2x	2 & 3	2 & 3, 5 & 6, 7 & 8	1 & 3
150MHz	60MHz	2x	1 & 2	2 & 3, 4 & 5, 7 & 8	1 & 3
166MHz	66MHz	2x	1 & 2	1 & 2, 5 & 6, 7 & 8	1 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM)					
CPU speed	Clock speed	Multiplier	JP2	JP6	JP7
120MHz	50MHz	2x	2 & 3	2 & 3, 5 & 6, 7 & 8	1 & 3
150MHz	60MHz	2x	1 & 2	2 & 3, 4 & 5, 7 & 8	1 & 3
166MHz	66MHz	2x	1 & 2	1 & 2, 5 & 6, 7 & 8	1 & 3

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION (AMD)					
CPU speed	Clock speed	Multiplier	JP2	JP6	JP7
75MHz	50MHz	1.5x	2 & 3	2 & 3, 5 & 6, 7 & 8	Open
90MHz	60MHz	1.5x	1 & 2	2 & 3, 4 & 5, 7 & 8	Open
100MHz	66MHz	1.5x	1 & 2	1 & 2, 5 & 6, 7 & 8	Open
120MHz	60MHz	1.5x	1 & 2	2 & 3, 4 & 5, 7 & 8	Open
133MHz	66MHz	1.5x	1 & 2	1 & 2, 5 & 6, 7 & 8	Open
150MHz	60MHz	2.5x	1 & 2	2 & 3, 4 & 5, 7 & 8	1 & 3, 2 & 4
166MHz	66MHz	2.5x	1 & 2	1 & 2, 5 & 6, 7 & 8	1 & 3, 2 & 4

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)					
CPU speed	Clock speed	Multiplier	JP2	JP6	JP7
75MHz	50MHz	1.5x	2 & 3	2 & 3, 5 & 6, 7 & 8	Open
90MHz	60MHz	1.5x	1 & 2	2 & 3, 4 & 5, 7 & 8	Open
100MHz	66MHz	1.5x	1 & 2	1 & 2, 5 & 6, 7 & 8	Open
120MHz	60MHz	2x	1 & 2	2 & 3, 4 & 5, 7 & 8	1 & 3
133MHz	66MHz	2x	1 & 2	1 & 2, 5 & 6, 7 & 8	1 & 3
150MHz	60MHz	2.5x	1 & 2	2 & 3, 4 & 5, 7 & 8	1 & 3, 2 & 4
166MHz	66MHz	2.5x	1 & 2	1 & 2, 5 & 6, 7 & 8	1 & 3, 2 & 4
180MHz	60MHz	3x	1 & 2	2 & 3, 4 & 5, 7 & 8	2 & 4
200MHz	66MHz	3x	1 & 2	1 & 2, 5 & 6, 7 & 8	2 & 4

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION	
Voltage	JP9
2.5v	Open
2.7v	Pins 7 & 8 closed
2.8v	Pins 5 & 6 closed
2.9v	Pins 3 & 4 closed
3.3v	Pins 9 & 10 closed
3.5v	Pins 1 & 2 closed