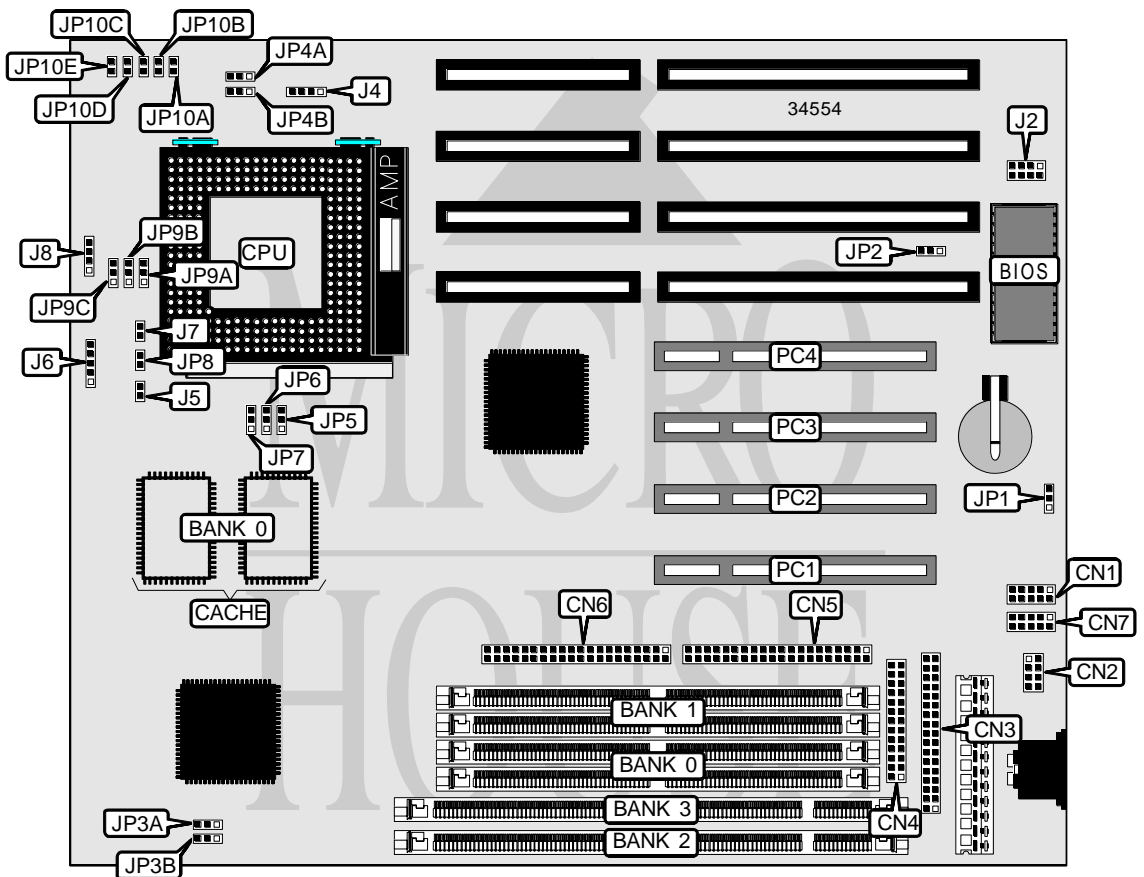


AMPTRON INTERNATIONAL, INC.

PM - 8500

Processor	CX 6X86/CX 6X86L/CX 868MX/ IBM 6X86/IBM 6X86L/IBM 868MX/AM K5/AM K6/Pentium
Processor Speed	75/90/100/120/133/150/166/180/200/233MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	384MB (EDO supported)
Maximum Video Memory	None
Cache	512KB
BIOS	AMI
Dimensions	260mm x 220mm
I/O Options	32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), USB connector
NPU Options	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
Serial port 2	CN1	Chassis fan power	J4
PS/2 mouse interface	CN2	IDE interface LED	J5
Floppy drive interface	CN3	Power LED & keylock	J6
Parallel port	CN4	Reset switch	J7
IDE interface 1	CN5	Speaker	J8
IDE interface 2	CN6	Turbo LED	JP8
Serial port 1	CN7	32-bit PCI slots	PC1 – PC4
USB connector	J2		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í CMOS memory normal operation	JP1	Pins 1 & 2 closed
CMOS memory clear	JP1	Pins 2 & 3 closed
í Factory configured - do not alter	JP9C	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 memory.

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

DIMM VOLTAGE CONFIGURATION		
Voltage	JP3A	JP3B
3.3v	Pins 2 & 3 closed	Pins 2 & 3 closed
5v	Pins 1 & 2 closed	Pins 1 & 2 closed

CACHE CONFIGURATION	
Size	Bank 0
512KB	(2) 64K x 32

CPU SPEED SELECTION (CYRIX)							
CPU speed	Clock speed	Multiplier	JP5	JP6	JP7	JP9A	JP9B
120MHz	50MHz	2x	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2
133MHz	55MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
150MHz	60MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
166MHz	66MHz	2x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	75MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION (IBM)							
CPU speed	Clock speed	Multiplier	JP5	JP6	JP7	JP9A	JP9B
120MHz	50MHz	2x	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2
133MHz	55MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
150MHz	60MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
166MHz	66MHz	2x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	75MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)							
CPU speed	Clock speed	Multiplier	JP5	JP6	JP7	JP9A	JP9B
75MHz	50MHz	1.5x	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2
90MHz	60MHz	1.5x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
100MHz	66MHz	1.5x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2
120MHz	60MHz	1.5x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
133MHz	66MHz	1.5x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2
150MHz	60MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
166MHz	66MHz	2x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)							
CPU speed	Clock speed	Multiplier	JP5	JP6	JP7	JP9A	JP9B
166MHz	66MHz	2.5x	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3
180MHz	60MHz	3x	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3
200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	1 & 2	2 & 3
233MHz	66MHz	3.5x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)							
CPU speed	Clock speed	Multiplier	JP5	JP6	JP7	JP9A	JP9B
75MHz	50MHz	1.5x	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2
90MHz	60MHz	1.5x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
100MHz	66MHz	1.5x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2
120MHz	60MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
133MHz	66MHz	2x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
150MHz	60MHz	2.5x	1 & 2	2 & 3	2 & 3	2 & 3	2 & 3
166MHz	66MHz	2.5x	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3
180MHz	60MHz	3x	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3
200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	1 & 2	2 & 3
233MHz	66MHz	3.5x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

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CPU TYPE SELECTION		
Type	JP4A	JP4B
Single voltage	Pins 1 & 2 closed	Pins 1 & 2 closed
Dual voltage	Pins 2 & 3 closed	Pins 2 & 3 closed

CPU VOLTAGE SELECTION					
Voltage	JP10A	JP10B	JP10C	JP10D	JPE
2.5v	Open	Open	Open	Open	Open
2.8v	Open	Open	Open	Open	Closed
2.9v	Open	Open	Open	Closed	Open
3.2v	Open	Open	Closed	Open	Open
3.3v	Open	Closed	Open	Open	Open
3.5v	Closed	Open	Open	Open	Open