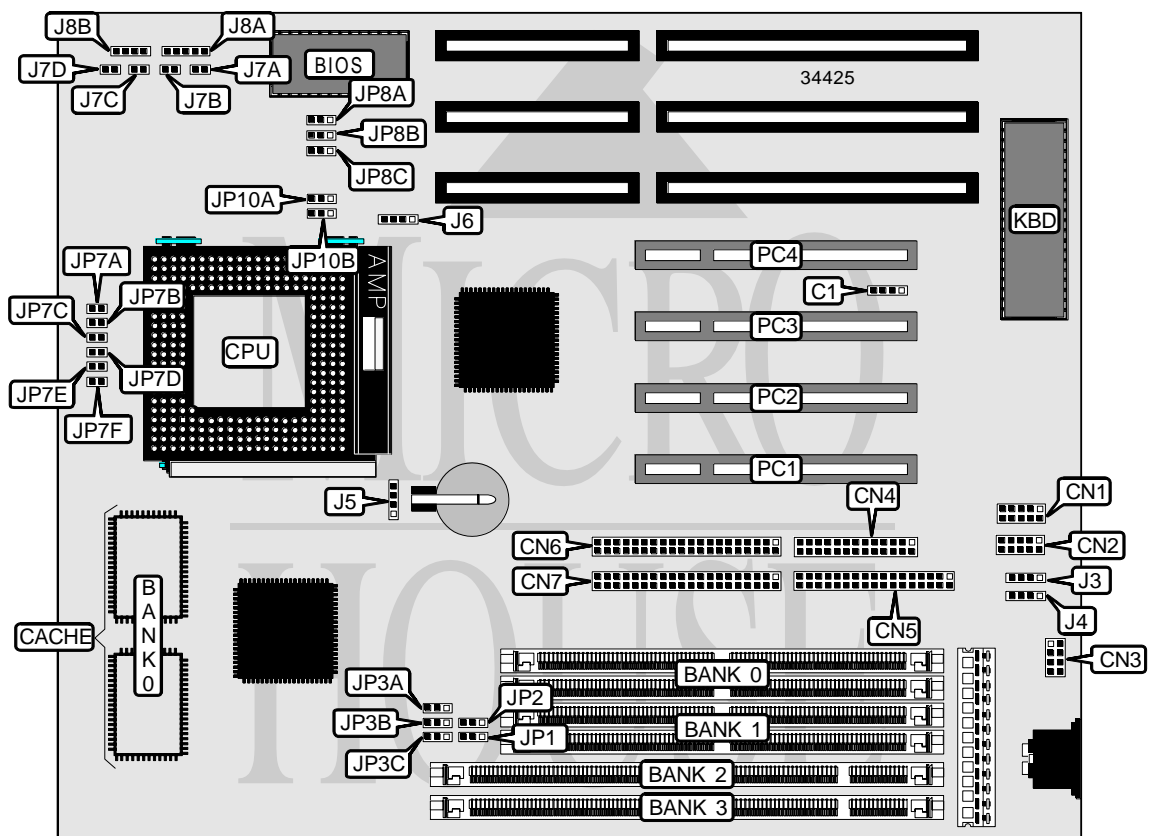


AMPTRON INTERNATIONAL, INC.

PM-9200

Processor	CX 6X86/CX 6X86L/IBM 6X86/IBM 6X86L/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	256MB (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, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), USB connectors (2)
NPU Options	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
Serial port 1	CN1	External battery	J5
Serial port 2	CN2	Reset switch	J7A
PS/2 mouse interface	CN3	IDE interface LED	J7B
Parallel port	CN4	Green PC LED	J7C
Floppy drive interface	CN5	Green PC connector	J7D
IDE interface 1	CN6	Power LED & keylock	J8A
IDE interface 2	CN7	Speaker	J8B
USB connector	J3	32-bit PCI slots	PC1 – PC4
USB connector	J4		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Factory configured - do not alter	C1	Unidentified
Battery type select internal	J5	Pins 2 & 3 closed
Battery type select external	J5	Closed
CMOS memory clear	J5	Pins 3 & 4 closed
í Factory configured - do not alter	J6	Unidentified
í Factory configured - do not alter	JP7F	Unidentified
í Factory configured - do not alter	JP8C	Unidentified

DRAM 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	JP1	JP2
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 (CX 6X86)							
CPU speed	Clock speed	Multiplier	JP3A	JP3B	JP3C	JP8A	JP8B
120MHz	50MHz	2x	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2
133MHz	55MHz	2x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
166MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
200MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86)							
CPU speed	Clock speed	Multiplier	JP3A	JP3B	JP3C	JP8A	JP8B
120MHz	50MHz	2x	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2
133MHz	55MHz	2x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
166MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
200MHz	66MHz	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 (CX 6X86L)							
CPU speed	Clock speed	Multiplier	JP3A	JP3B	JP3C	JP8A	JP8B
166MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
200MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
233MHz	75MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86L)							
CPU speed	Clock speed	Multiplier	JP3A	JP3B	JP3C	JP8A	JP8B
166MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
200MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
233MHz	75MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)							
CPU speed	Clock speed	Multiplier	JP3A	JP3B	JP3C	JP8A	JP8B
75MHz	50MHz	1.5x	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2
90MHz	60MHz	1.5x	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
100MHz	66MHz	1.5x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
120MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
133MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
150MHz	60MHz	2.5x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3
166MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)							
CPU speed	Clock speed	Multiplier	JP3A	JP3B	JP3C	JP8A	JP8B
166MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3
180MHz	60MHz	3x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3
233MHz	75MHz	3.5x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION (INTEL)							
CPU speed	Clock speed	Multiplier	JP3A	JP3B	JP3C	JP8A	JP8B
75MHz	50MHz	1.5x	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2
90MHz	60MHz	1.5x	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
100MHz	66MHz	1.5x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
120MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
133MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
150MHz	60MHz	2.5x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3
166MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3
180MHz	60MHz	3x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3
233MHz	75MHz	3.5x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU TYPE SELECTION		
Type	JP10A	JP10B
AM K5	Pins 1 & 2 closed	Pins 1 & 2 closed
AM K6	Pins 2 & 3 closed	Pins 2 & 3 closed
CX 6X86	Pins 1 & 2 closed	Pins 1 & 2 closed
CX 6X86L	Pins 2 & 3 closed	Pins 2 & 3 closed
IBM 6X86	Pins 1 & 2 closed	Pins 1 & 2 closed
IBM 6X86L	Pins 2 & 3 closed	Pins 2 & 3 closed
P54C	Pins 1 & 2 closed	Pins 1 & 2 closed
P55C	Pins 2 & 3 closed	Pins 2 & 3 closed

CPU VOLTAGE SELECTION					
Voltage	JP7A	JP7B	JP7C	JP7D	JP7E
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