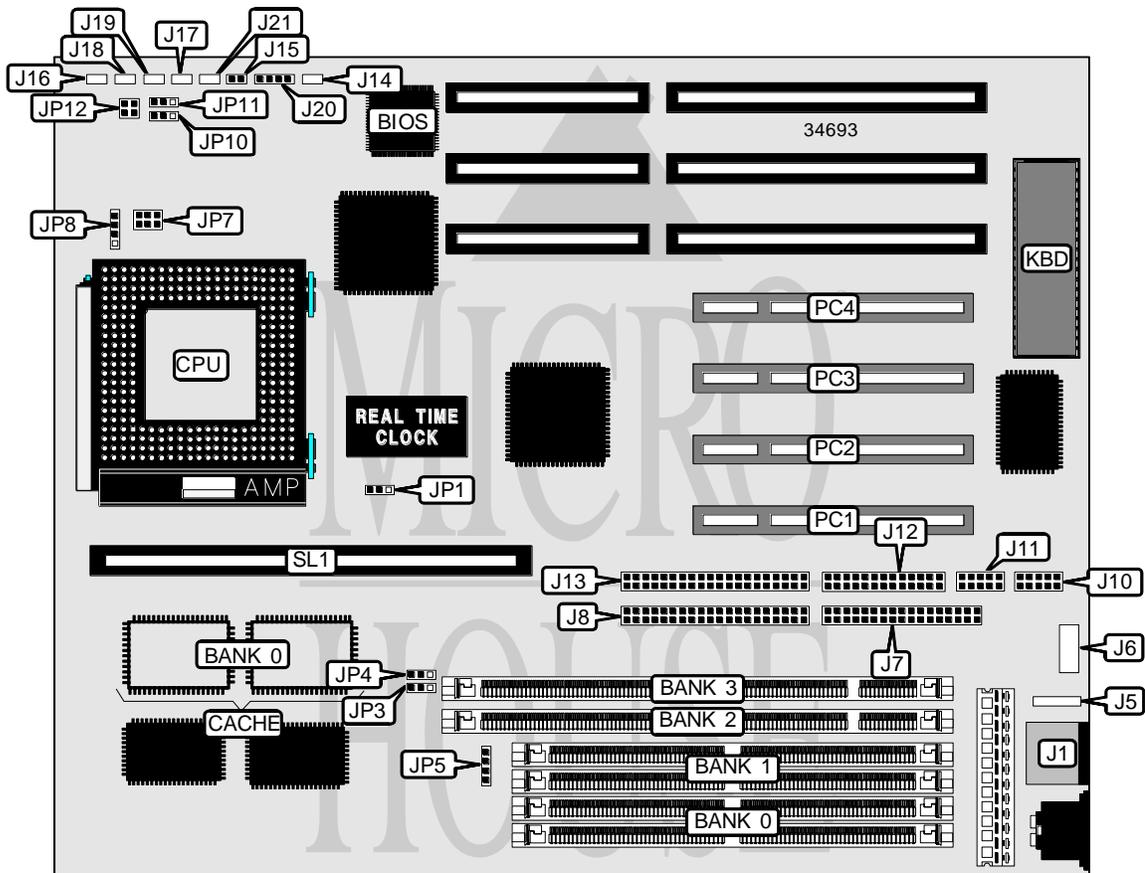


# MITAC INTERNATIONAL CORPORATION

## PH5400V

<b>Processor</b>	CX 6X86/AM K5/Pentium
<b>Processor Speed</b>	75/90/100/120/133/150/166/180/200MHz
<b>Chip Set</b>	Intel
<b>Video Chip Set</b>	None
<b>Maximum Onboard Memory</b>	128MB (EDO & SDRAM supported)
<b>Maximum Video Memory</b>	None
<b>Cache</b>	256/512KB
<b>BIOS</b>	Award
<b>Dimensions</b>	254mm x 218mm
<b>I/O Options</b>	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, PS/2 mouse interface, serial ports (2), cache slot, IR connector, USB connector
<b>NPU Options</b>	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
PS/2 mouse port	J1	Reset switch	J15
PS/2 mouse interface	J5	Keylock	J16
USB connector	J6	IDE interface LED	J17
Floppy drive interface	J7	Green PC connector	J18
IDE interface 2	J8	IR connector	J19
Serial port 2	J10	Speaker	J20
Serial port 1	J11	Power LED	J21
Parallel port	J12	32-bit PCI slots	PC1 – PC4
IDE interface 1	J13	Cache slot	SL1
CPU fan power	J14		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
CMOS memory normal operation	JP1	Pins 2 & 3 closed
CMOS memory clear	JP1	Pins 1 & 2 closed

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

Note: Board accepts EDO memory. Do not install SIMMs & DIMMs at the same time.

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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

Note: Board accepts EDO & SDRAM memory.

CACHE CONFIGURATION		
Size	Bank 0	SL1
256KB	(2) 32K x 32	None
512KB	(2) 32K x 32	256KB module installed

CACHE JUMPER CONFIGURATION		
Size	JP3	JP4
None	Pins 2 & 3 closed	Pins 2 & 3 closed
256KB	Pins 2 & 3 closed	Pins 2 & 3 closed
512KB	Pins 1 & 2 closed	Pins 1 & 2 closed

CPU SPEED SELECTION (CX 6X86)					
CPU speed	Clock speed	Multiplier	JP5	JP7	JP8
133MHz	55MHz	2x	1 & 2, 3 & 4	1 & 2, 3 & 4, 5 & 6	1 & 2
150MHz	60MHz	2x	3 & 4	1 & 2, 3 & 4, 5 & 6	1 & 2
166MHz	66MHz	2x	1 & 2	1 & 2, 3 & 4, 5 & 6	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86, CON'T)					
CPU speed	Clock speed	Multiplier	JP10	JP11	JP12
133MHz	55MHz	2x	2 & 3	1 & 2	1 & 3
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 3
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 3

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION (AM K5)					
CPU speed	Clock speed	Multiplier	JP5	JP7	JP8
75MHz	50MHz	1.5x	Open	1 & 2, 3 & 4, 5 & 6	Open
90MHz	60MHz	1.5x	3 & 4	1 & 2, 3 & 4, 5 & 6	Open
100MHz	66MHz	1.5x	1 & 2	1 & 2, 3 & 4, 5 & 6	Open
120MHz	60MHz	1.5x	3 & 4	*	1 & 2
133MHz	66MHz	1.5x	1 & 2	*	1 & 2
150MHz	60MHz	2x	3 & 4	*	1 & 2, 3 & 4
166MHz	66MHz	2x	1 & 2	*	1 & 2, 3 & 4

Note: \* = See AMD voltage table below. Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5, CON'T)					
CPU speed	Clock speed	Multiplier	JP10	JP11	JP12
75MHz	50MHz	1.5x	2 & 3	1 & 2	1 & 3
90MHz	60MHz	1.5x	2 & 3	1 & 2	1 & 3
100MHz	66MHz	1.5x	2 & 3	1 & 2	1 & 3
120MHz	60MHz	1.5x	*	*	*
133MHz	66MHz	1.5x	*	*	*
150MHz	60MHz	2x	*	*	*
166MHz	66MHz	2x	*	*	*

Note: \* = See AMD voltage table below. Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL STD)					
CPU speed	Clock speed	Multiplier	JP5	JP7	JP8
75MHz	50MHz	1.5x	Open	1 & 2, 3 & 4, 5 & 6	Open
90MHz	60MHz	1.5x	3 & 4	1 & 2, 3 & 4, 5 & 6	Open
100MHz	66MHz	1.5x	1 & 2	1 & 2, 3 & 4, 5 & 6	Open
120MHz	60MHz	2x	3 & 4	1 & 2, 3 & 4, 5 & 6	1 & 2
133MHz	66MHz	2x	1 & 2	1 & 2, 3 & 4, 5 & 6	1 & 2
150MHz	60MHz	2.5x	3 & 4	1 & 2, 3 & 4, 5 & 6	1 & 2, 3 & 4
166MHz	66MHz	2.5x	1 & 2	1 & 2, 3 & 4, 5 & 6	1 & 2, 3 & 4
200MHz	66MHz	3x	1 & 2	1 & 2, 3 & 4, 5 & 6	3 & 4

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION (INTEL STD, CON'T)					
CPU speed	Clock speed	Multiplier	JP10	JP11	JP12
75MHz	50MHz	1.5x	2 & 3	1 & 2	1 & 3
90MHz	60MHz	1.5x	2 & 3	1 & 2	1 & 3
100MHz	66MHz	1.5x	2 & 3	1 & 2	1 & 3
120MHz	60MHz	2x	2 & 3	1 & 2	1 & 3
133MHz	66MHz	2x	2 & 3	1 & 2	1 & 3
150MHz	60MHz	2.5x	2 & 3	1 & 2	1 & 3
166MHz	66MHz	2.5x	2 & 3	1 & 2	1 & 3
200MHz	66MHz	3x	2 & 3	1 & 2	1 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL VRE)					
CPU speed	Clock speed	Multiplier	JP5	JP7	JP8
75MHz	50MHz	1.5x	Open	1 & 2, 3 & 4, 5 & 6	Open
90MHz	60MHz	1.5x	3 & 4	1 & 2, 3 & 4, 5 & 6	Open
100MHz	66MHz	1.5x	1 & 2	1 & 2, 3 & 4, 5 & 6	Open
120MHz	60MHz	2x	3 & 4	1 & 2, 3 & 4, 5 & 6	1 & 2
133MHz	66MHz	2x	1 & 2	1 & 2, 3 & 4, 5 & 6	1 & 2
150MHz	60MHz	2.5x	3 & 4	1 & 2, 3 & 4, 5 & 6	1 & 2, 3 & 4
166MHz	66MHz	2.5x	1 & 2	1 & 2, 3 & 4, 5 & 6	1 & 2, 3 & 4
200MHz	66MHz	3x	1 & 2	1 & 2, 3 & 4, 5 & 6	3 & 4

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL VRE, CON'T)					
CPU speed	Clock speed	Multiplier	JP10	JP11	JP12
75MHz	50MHz	1.5x	1 & 2	1 & 2	1 & 3
90MHz	60MHz	1.5x	1 & 2	1 & 2	1 & 3
100MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 3
120MHz	60MHz	2x	1 & 2	1 & 2	1 & 3
133MHz	66MHz	2x	1 & 2	1 & 2	1 & 3
150MHz	60MHz	2.5x	1 & 2	1 & 2	1 & 3
166MHz	66MHz	2.5x	1 & 2	1 & 2	1 & 3
200MHz	66MHz	3x	1 & 2	1 & 2	1 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)					
CPU speed	Clock speed	Multiplier	JP5	JP7	JP8
180MHz	60MHz	3x	3 & 4	Open	3 & 4
200MHz	66MHz	3x	1 & 2	Open	3 & 4

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION (INTEL MMX, CON'T)					
CPU speed	Clock speed	Multiplier	JP10	JP11	JP12
180MHz	60MHz	3x	2 & 3	2 & 3	1 & 3
200MHz	66MHz	3x	2 & 3	2 & 3	1 & 3

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION (SELECT AMD ONLY)				
Voltage	JP7	JP10	JP11	JP12
B	1 & 2, 3 & 4, 5 & 6	1 & 2	1 & 2	1 & 3
C	1 & 2, 3 & 4, 5 & 6	2 & 3	1 & 2	1 & 3
F	1 & 2, 3 & 4, 5 & 6	2 & 3	1 & 2	1 & 3
H	Open	2 & 3	2 & 3	4 & 6
J	Open	2 & 3	2 & 3	2 & 4
K	Open	2 & 3	2 & 3	1 & 3

Note: Pins designated should be in the closed position.