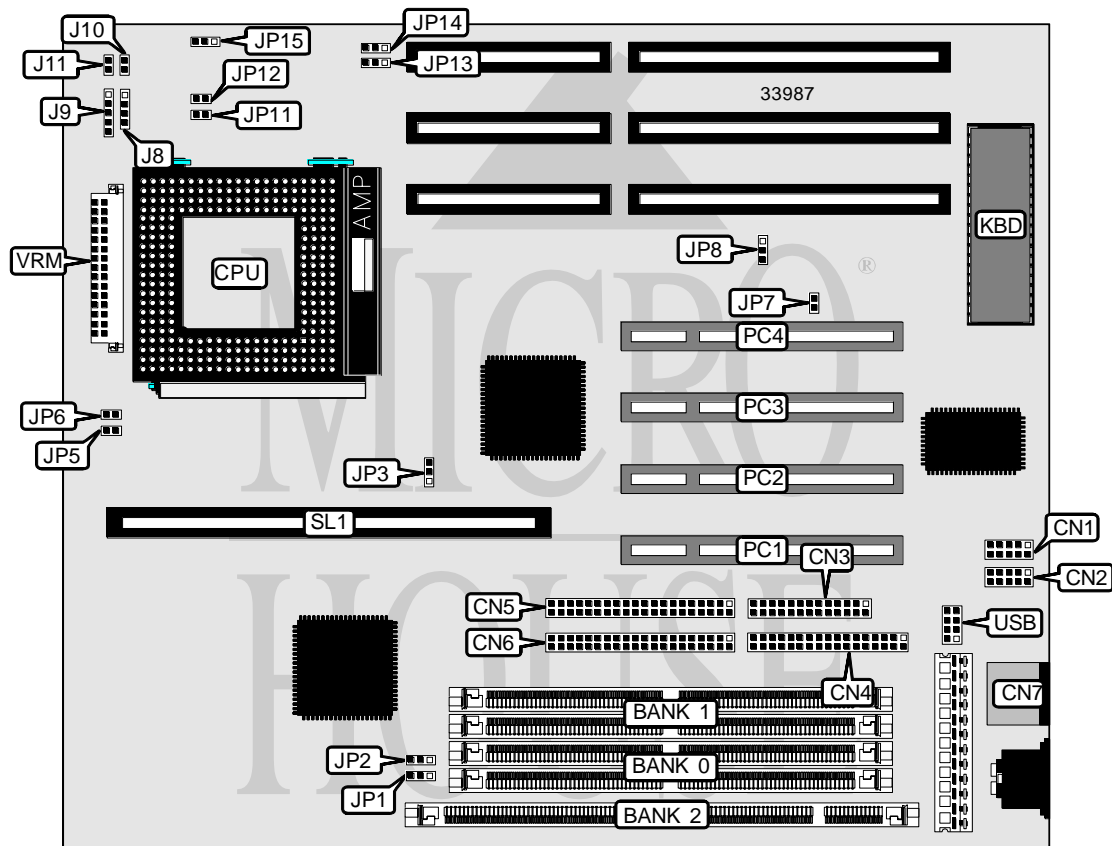


## PC WARE INTERNATIONAL, INC.

## MB - ARIES +

<b>Processor</b>	CX M1/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 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, serial ports (2), cache slot, VRM connector, USB connector
<b>NPU Options</b>	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
Serial port 1	CN1	Power LED & keylock	J9
Serial port 2	CN2	IDE interface LED	J10
Parallel port	CN3	Reset switch	J11
Floppy drive interface	CN4	Green PC connector	JP14 pins 1 & 2
IDE interface 1	CN5	32-bit PCI slots	PC1 – PC4
IDE interface 2	CN6	Cache slot	SL1
PS/2 mouse port	CN7	USB connector	USB
Speaker	J8	VRM connector	VRM

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í CMOS memory normal operation	JP7	Open
CMOS memory clear	JP7	Closed
í Flash BIOS voltage select 12v	JP8	Pins 2 & 3 closed
Flash BIOS voltage select 5v	JP8	Pins 1 & 2 closed
Green PC enabled	JP14	Pins 2 & 3 closed
Green PC disabled	JP14	Open

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

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DIMM/DRAM CONFIGURATION (CON'T)			
Size	Bank 0	Bank 1	Bank 2
72MB	(2) 8M x 36	(2) 1M x 36	None
72MB	(2) 1M x 36	None	(1) 8M x 64
72MB	(2) 8M x 36	None	(1) 1M x 64
80MB	(2) 8M x 36	(2) 2M x 36	None
80MB	(2) 2M x 36	None	(1) 8M x 64
80MB	(2) 8M x 36	None	(1) 2M x 64
96MB	(2) 8M x 36	(2) 4M x 36	None
96MB	(2) 4M x 36	None	(1) 8M x 64
96MB	(2) 8M x 36	None	(1) 4M x 64
128MB	(2) 8M x 36	(2) 8M x 36	None
128MB	(2) 8M x 36	None	(1) 8M x 64

Note: Board accepts EDO memory.

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	SL1	TAG
256KB (A)	(2) 32K x 32	Not installed	(1) 32K x 8
256KB (B)	None	256KB module installed	None
512KB (A)	(2) 32K x 32	256KB module installed	(1) 32K x 8
512KB (B)	(2) 64K x 32	Not installed	(1) 32K x 8
512KB (C)	None	512KB module installed	None

Note: The location of bank 0 and the TAG are unidentified.

CACHE JUMPER CONFIGURATION	
Size	JP3
256KB (A)	Pins 2 & 3 closed
256KB (B)	N/A
512KB (A)	Pins 1 & 2 closed
512KB (B)	Pins 1 & 2 closed
512KB (C)	N/A

CPU SPEED SELECTION (CYRIX)							
CPU speed	Clock speed	Multiplier	JP5	JP6	JP11	JP12	JP13
120MHz	60MHz	2x	Closed	Open	Closed	Open	1 & 2
133MHz	66MHz	2x	Open	Closed	Closed	Open	1 & 2
150MHz	60MHz	2x	Closed	Open	Closed	Open	1 & 2
166MHz	66MHz	2x	Open	Closed	Closed	Open	1 & 2

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION (AMD)							
CPU speed	Clock speed	Multiplier	JP5	JP6	JP11	JP12	JP13
75MHz	50MHz	1.5x	Closed	Closed	Open	Open	2 & 3
90MHz	60MHz	1.5x	Closed	Open	Open	Open	1 & 2
100MHz	66MHz	1.5x	Open	Closed	Open	Open	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)							
CPU speed	Clock speed	Multiplier	JP5	JP6	JP11	JP12	JP13
75MHz	50MHz	1.5x	Closed	Closed	Open	Open	2 & 3
90MHz	60MHz	1.5x	Closed	Open	Open	Open	1 & 2
100MHz	66MHz	1.5x	Open	Closed	Open	Open	1 & 2
120MHz	60MHz	2x	Closed	Open	Closed	Open	1 & 2
133MHz	66MHz	2x	Open	Closed	Closed	Open	1 & 2
150MHz	60MHz	2.5x	Closed	Open	Closed	Closed	1 & 2
166MHz	66MHz	2.5x	Open	Closed	Closed	Closed	1 & 2
180MHz	60MHz	3x	Closed	Open	Open	Closed	1 & 2
200MHz	66MHz	3x	Open	Closed	Open	Closed	1 & 2

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION	
Voltage	JP15
3.3v (STD/VR)	Pins 2 & 3 closed
3.5v (VRE)	Pins 1 & 2 closed