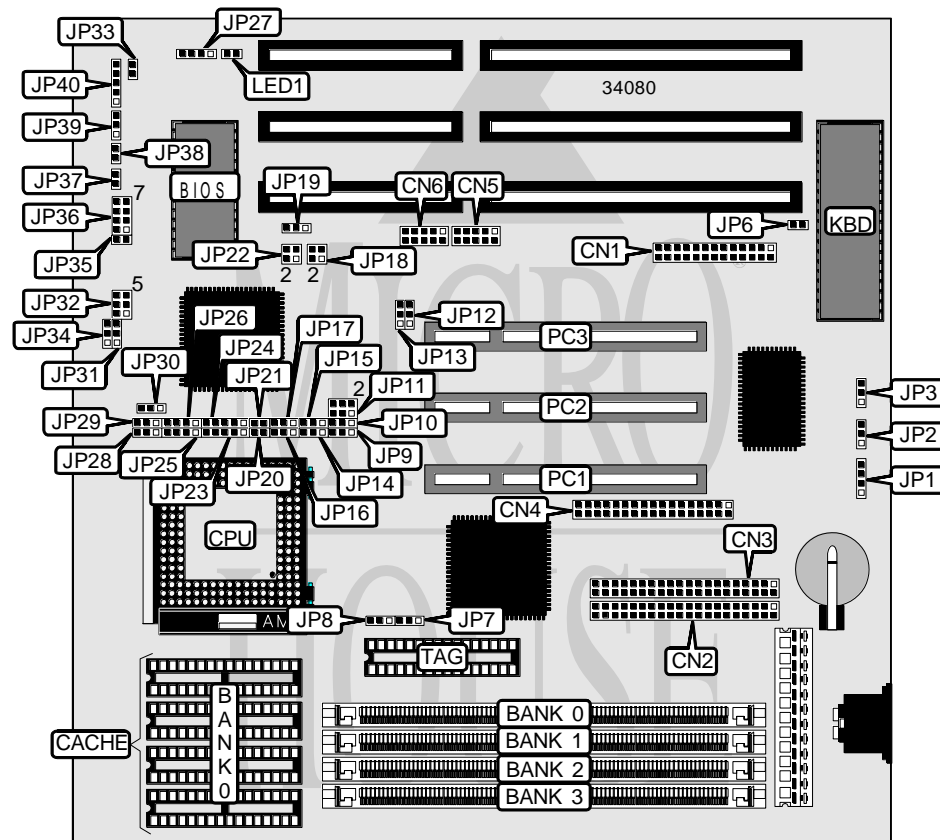


J-MARK COMPUTER CORPORATION

J-446A (V2.0)

Processor	80486SX/AM486DX2/CX486DX2/80486DX2/CX486DX4/AM486DX4/ AM486DX4(WB)/AM486DX4(WT)/80486DX4(WB)/80486DX4(WT)/ P24D/P24T/CX5X86/AM5X86
Processor Speed	25/33/40/50(internal)/50/66(internal)/80(internal)/100(internal)/ 120(internal)MHz
Chip Set	SIS
Video Chip Set	None
Maximum Onboard Memory	128MB
Maximum Video Memory	None
Cache	128/256KB
BIOS	Award
Dimensions	254mm x 218mm
I/O Options	32-bit PCI slots (3), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, serial ports (2)
NPU Options	None



Continued on next page. . .

J-MARK COMPUTER CORPORATION

J-446A (V2.0)

... continued from previous page

CONNECTIONS			
Purpose	Location	Purpose	Location
Parallel port	CN1	IDE interface LED	JP33
IDE interface 2	CN2	Green PC connector	JP35
IDE interface 1	CN3	Turbo LED	JP37
Floppy drive interface	CN4	Reset switch	JP38
Serial port 1	CN5	Turbo switch	JP39
Serial port 2	CN6	Power LED & keylock	JP40
External battery	JP1	Green PC LED	LED1
Speaker	JP27	32-bit PCI slots	PC1 - PC3

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Monitor type select color	JP6	Closed
Monitor type select monochrome	JP6	Open
í Factory configured - do not alter	JP13	Unidentified
í BIOS type select EPROM	JP19	Open
BIOS type select 5v flash	JP19	Pins 2 & 3 closed
BIOS type select 12v flash	JP19	Pins 1 & 2 closed
í Factory configured - do not alter	JP21	Unidentified
Turbo enabled	JP39	Pins 2 & 3 closed
Turbo disabled	JP39	Pins 1 & 2 closed

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(1) 256K x 36	None	None	None
2MB	(1) 512K x 36	None	None	None
2MB	(1) 256K x 36	(1) 256K x 36	None	None
3MB	(1) 512K x 36	(1) 256K x 36	None	None
3MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	None
3MB	(1) 256K x 36	(1) 512K x 36	None	None
4MB	(1) 1M x 36	None	None	None
4MB	(1) 512K x 36	(1) 256K x 36	(1) 256K x 36	None
4MB	(1) 512K x 36	(1) 512K x 36	None	None
4MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
5MB	(1) 1M x 36	(1) 256K x 36	None	None
5MB	(1) 512K x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
6MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	None
6MB	(1) 1M x 36	(1) 512K x 36	None	None

Continued on next page...

J-MARK COMPUTER CORPORATION

J-446A (V2.0)

... continued from previous page

DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
6MB	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36	None
7MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
8MB	(1) 2M x 36	None	None	None
8MB	(1) 1M x 36	(1) 512K x 36	(1) 512K x 36	None
8MB	(1) 1M x 36	(1) 1M x 36	None	None
8MB	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
9MB	(1) 2M x 36	(1) 256K x 36	None	None
10MB	(1) 2M x 36	(1) 256K x 36	(1) 256K x 36	None
10MB	(1) 2M x 36	(1) 512K x 36	None	None
10MB	(1) 1M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
11MB	(1) 2M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
12MB	(1) 2M x 36	(1) 512K x 36	(1) 512K x 36	None
12MB	(1) 2M x 36	(1) 1M x 36	None	None
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	None
14MB	(1) 2M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
16MB	(1) 4M x 36	None	None	None
16MB	(1) 2M x 36	(1) 2M x 36	None	None
16MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
17MB	(1) 4M x 36	(1) 256K x 36	None	None
18MB	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36	None
18MB	(1) 4M x 36	(1) 512K x 36	None	None
19MB	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
20MB	(1) 4M x 36	(1) 512K x 36	(1) 512K x 36	None
20MB	(1) 4M x 36	(1) 1M x 36	None	None
20MB	(1) 2M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
20MB	(1) 1M x 36	(1) 2M x 36	(1) 2M x 36	None
20MB	(1) 1M x 36	(1) 4M x 36	None	None
22MB	(1) 4M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
24MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	None
24MB	(1) 4M x 36	(1) 2M x 36	None	None
24MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36	None
24MB	(1) 2M x 36	(1) 4M x 36	None	None
28MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
28MB	(1) 1M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
32MB	(1) 8M x 36	None	None	None
32MB	(1) 4M x 36	(1) 2M x 36	(1) 2M x 36	None
32MB	(1) 4M x 36	(1) 4M x 36	None	None
32MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
33MB	(1) 8M x 36	(1) 256K x 36	None	None
34MB	(1) 8M x 36	(1) 256K x 36	(1) 256K x 36	None
34MB	(1) 8M x 36	(1) 512K x 36	None	None
35MB	(1) 8M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36

Continued on next page...

J-MARK COMPUTER CORPORATION

J-446A (V2.0)

... continued from previous page

DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
36MB	(1) 8M x 36	(1) 512K x 36	(1) 512K x 36	None
36MB	(1) 8M x 36	(1) 1M x 36	None	None
38MB	(1) 8M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
40MB	(1) 8M x 36	(1) 1M x 36	(1) 1M x 36	None
40MB	(1) 8M x 36	(1) 2M x 36	None	None
40MB	(1) 4M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
44MB	(1) 8M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
48MB	(1) 8M x 36	(1) 2M x 36	(1) 2M x 36	None
48MB	(1) 8M x 36	(1) 4M x 36	None	None
48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	None
52MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
56MB	(1) 8M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
64MB	(1) 8M x 36	(1) 4M x 36	(1) 4M x 36	None
64MB	(1) 8M x 36	(1) 8M x 36	None	None
64MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
68MB	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36	None
72MB	(1) 2M x 36	(1) 8M x 36	(1) 8M x 36	None
80MB	(1) 8M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
96MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	None
100MB	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
104MB	(1) 2M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
112MB	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
128MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36

CACHE CONFIGURATION		
Size	Bank 0	TAG
128KB	(4) 32K x 8	(1) 8K x 8
256KB	(4) 64K x 8	(1) 16K x 8

CACHE JUMPER CONFIGURATION		
Size	JP7	JP8
128KB	Pins 1 & 2 closed	Pins 1 & 2 closed
256KB	Pins 1 & 2 closed	Pins 2 & 3 closed

Continued on next page. ...

J-MARK COMPUTER CORPORATION

J-446A (V2.0)

... continued from previous page

CPU SPEED CONFIGURATION		
Speed	JP11	JP12
25MHz	Open	Pins 1 & 2 closed
33MHz	Pins 1 & 2, 3 & 4 closed	Pins 1 & 2 closed
40MHz	Pins 1 & 2 closed	Pins 1 & 2 closed
50iMHz	Open	Pins 1 & 2 closed
50MHz	Pins 3 & 4 closed	Pins 2 & 3 closed
66iMHz	Pins 1 & 2, 3 & 4 closed	Pins 1 & 2 closed
80iMHz	Pins 1 & 2 closed	Pins 1 & 2 closed
100iMHz	Pins 1 & 2, 3 & 4 closed	Pins 1 & 2 closed
120iMHz	Pins 1 & 2 closed	Pins 1 & 2 closed

CPU TYPE SELECTION					
Type	JP9	JP10	JP14	JP15	JP16
80486SX	Open	2 & 3	Open	Open	Open
AM486DX2	2 & 3	2 & 3	Open	Open	2 & 3
CX486DX2	2 & 3	2 & 3	Open	Open	Open
80486DX2	2 & 3	2 & 3	Open	Open	Open
CX486DX4	2 & 3	2 & 3	Open	Open	Open
AM486DX4	2 & 3	1 & 2	Open	1 & 2	1 & 2
AM486DX4 (WB)	2 & 3	1 & 2	Open	1 & 2	1 & 2
AM486DX4 (WT)	2 & 3	2 & 3	Open	Open	1 & 2
80486DX4 (WB)	2 & 3	1 & 2	Open	1 & 2	1 & 2
80486DX4 (WT)	2 & 3	2 & 3	Open	Open	Open
P24D	2 & 3	1 & 2	Open	1 & 2	1 & 2
P24T	1 & 2	1 & 2	1 & 2	Open	Open
CX5X86	2 & 3	2 & 3	Open	1 & 2	Open
AM5X86	2 & 3	1 & 2	Open	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

Continued on next page...

J-MARK COMPUTER CORPORATION

J-446A (V2.0)

... continued from previous page

CPU TYPE SELECTION (CON'T)					
Type	JP17	JP20	JP23	JP24	JP25
80486SX	2 & 3	Closed	1 & 2	4 & 5	2 & 3
AM486DX2	Open	Open	Open	4 & 5	1 & 2, 3 & 4
CX486DX2	1 & 2	Closed	Open	2 & 3	1 & 2, 3 & 4
80486DX2	2 & 3	Closed	1 & 2	4 & 5	1 & 2, 3 & 4
CX486DX4	1 & 2	Closed	Open	2 & 3	1 & 2, 3 & 4
AM486DX4	2 & 3	Closed	2 & 3	4 & 5	1 & 2, 3 & 4
AM486DX4 (WB)	2 & 3	Closed	2 & 3	4 & 5	1 & 2, 3 & 4
AM486DX4 (WT)	Open	Open	Open	4 & 5	1 & 2, 3 & 4
80486DX4 (WB)	2 & 3	Closed	2 & 3	4 & 5	1 & 2, 3 & 4
80486DX4 (WT)	2 & 3	Closed	1 & 2	4 & 5	1 & 2, 3 & 4
P24D	2 & 3	Closed	2 & 3	4 & 5	1 & 2, 3 & 4
P24T	2 & 3	Closed	Open	1 & 2	1 & 2, 3 & 4
CX5X86	2 & 3	Closed	2 & 3	4 & 5	1 & 2, 3 & 4
AM5X86	2 & 3	Closed	2 & 3	4 & 5	1 & 2, 3 & 4

Note: Pins designated should be in the closed position.

CPU TYPE SELECTION (CON'T)				
Type	JP26	JP28	JP29	JP30
80486SX	3 & 4	Open	Open	Open
AM486DX2	3 & 4	Open	Open	Open
CX486DX2	2 & 3	2 & 3	2 & 3	Open
80486DX2	3 & 4	Open	Open	Open
CX486DX4	2 & 3	2 & 3	2 & 3	Open
AM486DX4	1 & 2, 3 & 4	Open	1 & 2	Open
AM486DX4 (WB)	1 & 2, 3 & 4	Open	1 & 2	Open
AM486DX4 (WT)	3 & 4	Open	Open	Open
80486DX4 (WB)	1 & 2, 3 & 4	Open	1 & 2	Open
80486DX4 (WT)	3 & 4	Open	Open	Open
P24D	1 & 2, 3 & 4	Open	1 & 2	Open
P24T	3 & 4	1 & 2	1 & 2	Open
CX5X86	1 & 2, 3 & 4	Open	1 & 2	Open
AM5X86	1 & 2, 3 & 4	Open	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU VOLTAGE CONFIGURATION			
Voltage	JP31	JP32	JP34
3.3v	Pins 2 & 3 closed	Pins 5 & 6 closed	Pins 2 & 3 closed
3.45v	Pins 2 & 3 closed	Pins 3 & 4 closed	Pins 2 & 3 closed
4v	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed
5v	Pins 1 & 2 closed	N/A	Pins 1 & 2 closed

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J-MARK COMPUTER CORPORATION

J-446A (V2.0)

... continued from previous page

GREEN PC CONFIGURATION	
Setting	JP36
Doze mode	Pins 1 & 2 closed
Suspend mode	Pins 3 & 4 closed
Standby mode	Pins 5 & 6, 7 & 8 closed

CMOS CONFIGURATION		
Setting	JP2	JP3
CMOS memory normal operation	Pins 1 & 2 closed	Pins 1 & 2 closed
CMOS memory clear	Pins 2 & 3 closed	Pins 2 & 3 closed

DAM CHANNEL SELECTION		
Channel	JP18	JP22
1	Pins 1 & 3 closed	Pins 1 & 3 closed
3	Pins 2 & 4 closed	Pins 2 & 4 closed