

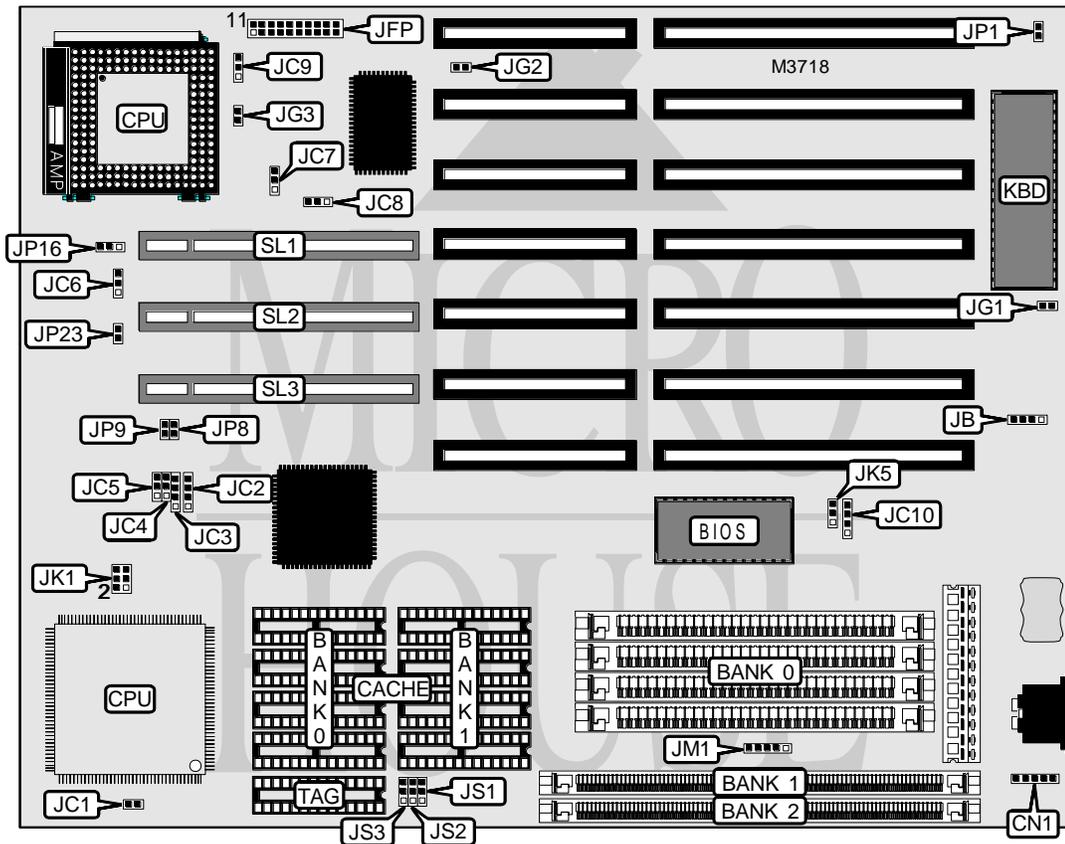
MICRO-STAR INTERNATIONAL CO., LTD.

MS4132G (VER. 2.0G)

MS4132G (VER. 2.3G)

MS4132G (VER. 2.4G)

Processor	80486SX/SL80486SX/80487SX/AM486DX/80486DX/SL80486DX/AM486DX2/80486DX2/SL80486DX2
Processor Speed	25/33/40/50(internal)/50/66(internal)MHz
Chip Set	SIS
Video Chip Set	None
Maximum Onboard Memory	96MB
Maximum Video Memory	None
Cache	128/256/512KB
BIOS	AMI/Phoenix
Dimensions	260mm x 221mm
I/O Options	32-bit VESA local bus slots (3), green PC connector
NPU Options	None



Continued on next page . . .

MICRO-STAR INTERNATIONAL CO., LTD.

MS4132G (VER. 2.0G)

MS4132G (VER. 2.3G)

MS4132G (VER. 2.4G)

... continued from previous page

CONNECTIONS			
Purpose	Location	Purpose	Location
Auxiliary keyboard connector	CN1	Reset switch	JFP Pins 19 & 20
External battery	JB	Green PC connector (monitor)	JG1
Power LED & keylock	JFP Pins 1 - 5	Green PC LED	JG2
Speaker	JFP Pins 7 - 10	Green PC connector	JG3
Turbo LED	JFP Pins 12 & 13	32-bit VESA local bus slots	SL1 - SL3
Turbo switch	JFP Pins 15 - 17		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Battery type select internal	JB	Pins 2 & 3 closed
Battery type select external	JB	Closed
í CPU type select PQFP CPU installed	JC1	Open
CPU type select PGA CPU installed	JC1	Closed
í Factory configured - do not alter	JC5	Unidentified
í Factory configured - do not alter	JC6	Unidentified
í Factory configured - do not alter	JC7	Unidentified
í Factory configured - do not alter	JC9	Unidentified
í Factory configured - do not alter	JC10	Unidentified
í Monitor type select monochrome	JP1	Open
Monitor type select color	JP1	Closed
í VESA, VGA, or I/O card normal operation	JP16	Pins 2 & 3 closed
VESA, VGA, or I/O card causes system to lock, use this setting	JP16	Pins 1 & 2 closed
í VESA local bus card select any card installed	JP23	Open
VESA local bus card select special cards only	JP23	Closed

DRAM CONFIGURATION			
Size	Bank 0	Bank 1	Bank 2
1MB (A)	None	(1) 256K x 36	None
1MB (B)	(4) 256K x 9	None	None
2MB (A)	None	(1) 256K x 36	(1) 256K x 36
2MB (B)	None	(1) 512K x 36	None
2MB (C)	(4) 256K x 9	(1) 256K x 36	None
4MB (A)	None	(1) 512K x 36	(1) 512K x 36
4MB (B)	None	(1) 1M x 36	None
4MB (C)	(4) 1M x 9	None	None
5MB (A)	None	(1) 256K x 36	(1) 1M x 36
5MB (B)	(4) 1M x 9	(1) 256K x 36	None
6MB (A)	None	(1) 512K x 36	(1) 1M x 36

Continued on next page...

MICRO-STAR INTERNATIONAL CO., LTD.

MS4132G (VER. 2.0G)

MS4132G (VER. 2.3G)

MS4132G (VER. 2.4G)

... continued from previous page

DRAM CONFIGURATION (CON'T)			
Size	Bank 0	Bank 1	Bank 2
6MB (B)	(4) 1M x 9	(1) 512K x 36	None
6MB (C)	(4) 1M x 9	(1) 256K x 36	(1) 256K x 36
8MB (A)	None	(1) 1M x 36	(1) 1M x 36
8MB (B)	None	(1) 2M x 36	None
8MB (C)	(4) 1M x 9	(1) 1M x 36	None
8MB (D)	(4) 1M x 9	(1) 512K x 36	(1) 512K x 36
12MB	(4) 1M x 9	(1) 1M x 36	(1) 1M x 36
16MB (A)	None	(1) 2M x 36	(1) 2M x 36
16MB (B)	None	(1) 4M x 36	None
16MB (C)	(4) 4M x 9	None	None
17MB (A)	None	(1) 256K x 36	(1) 4M x 36
17MB (B)	(4) 4M x 9	(1) 256K x 36	None
18MB (A)	None	(1) 512K x 36	(1) 4M x 36
18MB (B)	(4) 4M x 9	(1) 512K x 36	None
18MB (C)	(4) 4M x 9	(1) 256K x 36	(1) 256K x 36
20MB (A)	None	(1) 1M x 36	(1) 4M x 36
20MB (B)	(4) 4M x 9	(1) 1M x 36	None
20MB (C)	(4) 4M x 9	(1) 512K x 36	(1) 512K x 36
24MB (D)	(4) 4M x 9	(1) 1M x 36	(1) 1M x 36
32MB (A)	None	(1) 4M x 36	(1) 4M x 36
32MB (B)	None	(1) 8M x 36	None
32MB (C)	(4) 4M x 9	(1) 4M x 36	None
36MB (A)	None	(1) 1M x 36	(1) 8M x 36
36MB (B)	(4) 1M x 9	None	(1) 8M x 36
36MB (C)	(4) 4M x 9	(1) 1M x 36	(1) 4M x 36
48MB (A)	None	(1) 4M x 36	(1) 8M x 36
48MB (B)	(4) 4M x 9	None	(1) 8M x 36
48MB (C)	(4) 4M x 9	(1) 4M x 36	(1) 4M x 36
64MB (A)	None	(1) 8M x 36	(1) 8M x 36
64MB (B)	(4) 16M x 9	None	None
65MB	(4) 16M x 9	(1) 256K x 36	None
68MB	(4) 16M x 9	(1) 1M x 36	None
72MB	(4) 16M x 9	(1) 1M x 36	(1) 1M x 36
80MB	(4) 16M x 9	(1) 4M x 36	None
96MB	(4) 16M x 9	(1) 4M x 36	(1) 4M x 36

Continued on next page...

MICRO-STAR INTERNATIONAL CO., LTD.

MS4132G (VER. 2.0G)

MS4132G (VER. 2.3G)

MS4132G (VER. 2.4G)

... continued from previous page

DRAM JUMPER CONFIGURATION	
Size	JM1
1MB (A)	Open
1MB (B)	Pins 1 & 2 closed
2MB (A)	Open
2MB (B)	Open
2MB (C)	Pins 2 & 3 or 3 & 4 closed
4MB (A)	Open
4MB (B)	Open
4MB (C)	Pins 1 & 2 closed
5MB (A)	Open
5MB (B)	Pins 2 & 3 or 3 & 4 closed
6MB (A)	Open
6MB (B)	Pins 2 & 3 or 3 & 4 closed
6MB (C)	Pins 4 & 5 closed
8MB (A)	Open
8MB (B)	Open
8MB (C)	Pins 2 & 3 or 3 & 4 closed
8MB (D)	Pins 4 & 5 closed
12MB	Pins 4 & 5 closed
16MB (A)	Open
16MB (B)	Open
16MB (C)	Pins 1 & 2 closed
17MB (A)	Open
17MB (B)	Pins 2 & 3 or 3 & 4 closed
18MB (A)	Open
18MB (B)	Pins 2 & 3 or 3 & 4 closed
18MB (C)	Pins 4 & 5 closed
20MB (A)	Open
20MB (B)	Pins 2 & 3 or 3 & 4 closed
20MB (C)	Pins 4 & 5 closed
24MB (D)	Pins 4 & 5 closed
32MB (A)	Open
32MB (B)	Open
32MB (C)	Pins 2 & 3 or 3 & 4 closed
36MB (A)	Open
36MB (B)	Pins 1 & 2 closed
36MB (C)	Pins 4 & 5 closed
48MB (A)	Open
48MB (B)	Pins 1 & 2 closed

Continued on next page...

MICRO-STAR INTERNATIONAL CO., LTD.

MS4132G (VER. 2.0G)

MS4132G (VER. 2.3G)

MS4132G (VER. 2.4G)

... continued from previous page

DRAM JUMPER CONFIGURATION (CON'T)	
Size	JM1
48MB (C)	Pins 4 & 5 closed
64MB (A)	Open
64MB (B)	Pins 1 & 2 closed
65MB	Pins 2 & 3 or 3 & 4 closed
68MB	Pins 2 & 3 or 3 & 4 closed
72MB	Pins 4 & 5 closed
80MB	Pins 2 & 3 or 3 & 4 closed
96MB	Pins 4 & 5 closed

CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
128KB	(4) 32K x 8	None	(1) 8K, (1) 16K or (1) 32K x 8
256KB (A)	(4) 32K x 8	(4) 32K x 8	(1) 16K or (1) 32K x 8
256KB (B)	(4) 64K x 8	None	(1) 16K or (1) 32K x 8
512KB	(4) 128K x 8	None	(1) 32K x 8

CACHE JUMPER CONFIGURATION			
Size	JS1	JS2	JS3
128KB	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
256KB (A)	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
256KB (B)	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
512KB	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed

CPU SPEED SELECTION		
Speed	JK1	JK5
25MHz	Open	pins 2 & 3 closed
33MHz	pins 1 & 2, 3 & 4 closed	pins 2 & 3 closed
40MHz	pins 3 & 4 closed	pins 2 & 3 closed
50iMHz	Open	pins 2 & 3 closed
50MHz	pins 1 & 2, 5 & 6 closed	pins 1 & 2 closed
66iMHz	pins 1 & 2, 3 & 4 closed	pins 2 & 3 closed

Continued on next page. . .

MICRO-STAR INTERNATIONAL CO., LTD.
 MS4132G (VER. 2.0G)
 MS4132G (VER. 2.3G)
 MS4132G (VER. 2.4G)

... continued from previous page

CPU TYPE SELECTION				
Type	JC2	JC3	JC4	JC8
80486SX	Open	2 & 3	Open	Open
SL80486SX	1 & 2, 3 & 4	2 & 3	1 & 2	Open
80487SX	Open	1 & 2, 3 & 4	Open	1 & 2
AM486DX	Open	1 & 2, 3 & 4	Open	2 & 3
80486DX	Open	1 & 2, 3 & 4	Open	2 & 3
SL80486DX	1 & 2, 3 & 4	1 & 2, 3 & 4	1 & 2	2 & 3
AM486DX2	Open	1 & 2, 3 & 4	Open	2 & 3
80486DX2	Open	1 & 2, 3 & 4	Open	2 & 3
SL80486DX2	1 & 2, 3 & 4	1 & 2, 3 & 4	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

VL BUS WAIT STATE SELECTION	
Setting	JP8
0 wait states	Open
1 wait state	Closed

VL BUS SPEED SELECTION	
Speed	JP9
<= 33MHz	Open
> 33MHz	Closed