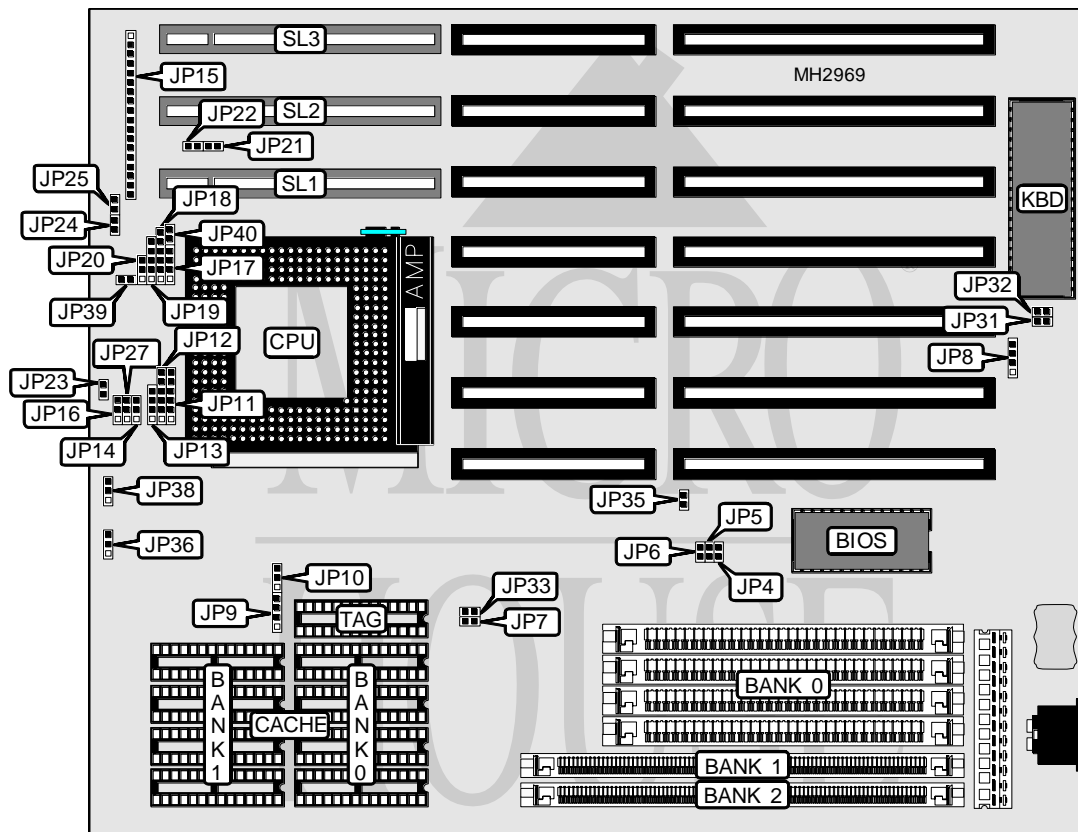


BIOSTAR MICROTECH INTERNATIONAL CORPORATION

MB-1425/1433/1440/1450UIV (REV. 1)

Processor	CX486M6/80486SX/SL80486SX/CX486DX/AM486DX/UMC U5/80486DX/ SL80486DX/CX486DX2/AM486DX2/80486DX2/SL80486DX2/AM486DX4/ 80486DX4/P24D/Pentium Overdrive
Processor Speed	25/33/40/50(internal)/50/66(internal)/75(internal)/80(internal)/ 100(internal)/120(internal)MHz
Chip Set	Unidentified
Max. Onboard DRAM	64MB
Cache	64/128/256KB
BIOS	AMI/Award
Dimensions	254mm x 218mm
I/O Options	32-bit VESA local bus slots (3), floppy drive interface, green PC connector
NPU Options	None



CONNECTIONS			
Purpose	Location	Purpose	Location
Speaker	JP15 pins 1 - 4	+5v ground	JP15 pins 17 & 18
Power LED & keylock	JP15 pins 5 - 9	External battery	JP8
Turbo LED	JP15 pins 10 & 11	Green PC LED	JP24
Reset switch	JP15 pins 12 & 13	Green PC connector	JP25
Turbo switch	JP15 pins 14 & 15	32-bit VESA local bus slots	SL1 - SL3

Continued on next page. . .

BIOSTAR MICROTECH INTERNATIONAL CORPORATION

MB-1425/1433/1440/1450UIV (REV. 1)

... continued from previous page

USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
1 CMOS memory normal operation	JP8	pins 2 & 3 closed
CMOS memory clear	JP8	pins 3 & 4 closed
1 Factory configured - do not alter	JP31	N/A
1 DS12887 normal operation	JP32	Open
DS12887 clear	JP32	Closed
1 VESA bus slot select synchronous	JP36	pins 1 & 2 closed
VESA bus slot select asynchronous	JP36	pins 2 & 3 closed

DRAM CONFIGURATION			
Size	Bank 0	Bank 1	Bank 2
1MB	(4) 256K x 9	NONE	NONE
1MB	NONE	(1) 256K x 36	NONE
1MB	NONE	NONE	(1) 256K x 36
2MB	(4) 256K x 9	(1) 256K x 36	NONE
2MB	(4) 256K x 9	NONE	(1) 256K x 36
2MB	NONE	(1) 256K x 36	(1) 256K x 36
2MB	NONE	(1) 512K x 36	NONE
2MB	NONE	NONE	(1) 512K x 36
3MB	(4) 256K x 9	(1) 256K x 36	(1) 256K x 36
3MB	(4) 256K x 9	NONE	(1) 512K x 36
3MB	NONE	(1) 256K x 36	(1) 512K x 36
3MB	NONE	(1) 512K x 36	(1) 256K x 36
4MB	(4) 256K x 9	(1) 256K x 36	(1) 512K x 36
4MB	(4) 1M x 9	NONE	NONE
4MB	NONE	(1) 512K x 36	(1) 512K x 36
4MB	NONE	(1) 1M x 36	NONE
4MB	NONE	NONE	(1) 1M x 36
5MB	(4) 256K x 9	(1) 1M x 36	NONE
5MB	(4) 256K x 9	NONE	(1) 1M x 36
5MB	(4) 1M x 9	(1) 256K x 36	NONE
5MB	(4) 1M x 9	NONE	(1) 256K x 36
5MB	NONE	(1) 256K x 36	(1) 1M x 36
5MB	NONE	(1) 1M x 36	(1) 256K x 36
6MB	(4) 1M x 9	NONE	(1) 512K x 36
6MB	NONE	(1) 1M x 36	(1) 512K x 36
6MB	NONE	(1) 512K x 36	(1) 1M x 36
7MB	(4) 256K x 9	(1) 1M x 36	(1) 512K x 36
7MB	(4) 1M x 9	(1) 256K x 36	(1) 512K x 36
8MB	(4) 1M x 9	(1) 1M x 36	NONE
8MB	(4) 1M x 9	NONE	(1) 1M x 36
8MB	NONE	(1) 1M x 36	(1) 1M x 36
8MB	NONE	(1) 2M x 36	NONE
8MB	NONE	NONE	(1) 2M x 36

Continued on next page...

BIOSTAR MICROTECH INTERNATIONAL CORPORATION

MB-1425/1433/1440/1450UIV (REV. 1)

... continued from previous page

DRAM CONFIGURATION (CON'T)			
Size	Bank 0	Bank 1	Bank 2
9MB	(4) 256K x 9	(1) 1M x 36	(1) 1M x 36
9MB	(4) 1M x 9	(1) 1M x 36	(1) 256K x 36
9MB	(4) 1M x 9	(1) 256K x 36	(1) 1M x 36
10MB	(4) 1M x 9	(1) 1M x 36	(1) 512K x 36
12MB	(4) 1M x 9	(1) 1M x 36	(1) 1M x 36
12MB	(4) 1M x 9	NONE	(1) 2M x 36
12MB	NONE	(1) 1M x 36	(1) 2M x 36
12MB	NONE	(1) 2M x 36	(1) 1M x 36
16MB	(4) 4M x 9	NONE	NONE
16MB	NONE	(1) 4M x 36	NONE
16MB	NONE	NONE	(1) 4M x 36
17MB	(4) 256K x 9	(1) 4M x 36	NONE
17MB	(4) 256K x 9	NONE	(1) 4M x 36
17MB	(4) 4M x 9	(1) 256K x 36	NONE
17MB	(4) 4M x 9	NONE	(1) 256K x 36
18MB	(4) 256K x 9	(1) 256K x 36	(1) 4M x 36
18MB	(4) 256K x 9	(1) 4M x 36	(1) 256K x 36
19MB	(4) 256K x 9	(1) 4M x 36	(1) 512K x 36
20MB	(4) 1M x 9	(1) 4M x 36	NONE
20MB	(4) 1M x 9	NONE	(1) 4M x 36
20MB	(4) 4M x 9	(1) 1M x 36	NONE
20MB	(4) 4M x 9	NONE	(1) 1M x 36
21MB	(4) 256K x 9	(1) 1M x 36	(1) 4M x 36
21MB	(4) 256K x 9	(1) 4M x 36	(1) 1M x 36
24MB	(4) 1M x 9	(1) 1M x 36	(1) 4M x 36
24MB	(4) 1M x 9	(1) 4M x 36	(1) 1M x 36
32MB	(4) 4M x 9	(1) 4M x 36	NONE
32MB	(4) 4M x 9	NONE	(1) 4M x 36
32MB	NONE	(1) 4M x 36	(1) 4M x 36
32MB	NONE	NONE	(1) 8M x 36
33MB	(4) 256K x 9	NONE	(1) 8M x 36
33MB	(4) 256K x 9	(1) 4M x 36	(1) 4M x 36
33MB	(4) 4M x 9	(1) 4M x 36	(1) 256K x 36
33MB	(4) 4M x 9	(1) 256K x 36	(1) 4M x 36
34MB	(4) 4M x 9	(1) 4M x 36	(1) 512K x 36
36MB	(4) 4M x 9	(1) 4M x 36	(1) 1M x 36
36MB	(4) 4M x 9	(1) 1M x 36	(1) 4M x 36
36MB	(4) 1M x 9	NONE	(1) 8M x 36
36MB	(4) 1M x 9	(1) 4M x 36	(1) 4M x 36
48MB	(4) 4M x 9	(1) 4M x 36	(1) 4M x 36
48MB	(4) 4M x 9	NONE	(1) 8M x 36
48MB	NONE	(1) 4M x 36	(1) 8M x 36
48MB	NONE	(1) 8M x 36	(1) 4M x 36
64MB	NONE	(1) 8M x 36	(1) 8M x 36

Continued on next page...

BIOSTAR MICROTECH INTERNATIONAL CORPORATION

MB-1425/1433/1440/1450UIV (REV. 1)

... continued from previous page

CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
64KB	(4) 8K x 8	(4) 8K x 8	(1) 8K x 8
128KB	(4) 32K x 8	NONE	(1) 8K x 8
256KB (A)	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8
256KB (B)	(4) 64K x 8	NONE	(1) 32K x 8

CACHE JUMPER CONFIGURATION				
Size	JP7	JP9	JP10	JP33
64KB	Open	Open	pins 2 & 3 closed	Open
128KB	Open	pins 1 & 2 closed	pins 1 & 2 closed	Closed
256KB (A)	Closed	pins 2 & 3 closed	pins 2 & 3 closed	Closed
256KB (B)	Closed	pins 1 & 2, 3 & 4 closed	pins 1 & 2 closed	Closed

CPU TYPE CONFIGURATION					
Type	JP11	JP12	JP13	JP17	JP18
CX486SX	1 & 2, 3 & 4, 5 & 6	1 & 2, 3 & 4, 5 & 6	2 & 3	Open	2 & 3, 4 & 5
80486SX	Open	2 & 3	2 & 3	Open	Open
SL80486SX	1 & 2	2 & 3	2 & 3	1 & 2	5 & 6
CX486DX	1 & 2, 3 & 4, 5 & 6	1 & 2, 3 & 4, 5 & 6	1 & 2, 3 & 4	1 & 2	2 & 3, 4 & 5
AM486DX	Open	2 & 3	1 & 2, 3 & 4	2 & 3	Open
80486DX	Open	2 & 3	1 & 2, 3 & 4	1 & 2	Open
SL80486DX	1 & 2, 4 & 5	1 & 2, 4 & 5	1 & 2, 3 & 4	1 & 2	3 & 4, 5 & 6
UMC U5S	2 & 3	2 & 3	2 & 3	3 & 4	1 & 2
CX486DX2	1 & 2, 3 & 4, 5 & 6	1 & 2, 3 & 4, 5 & 6	1 & 2, 3 & 4	1 & 2	2 & 3, 4 & 5
AM486DX2	Open	2 & 3	1 & 2, 3 & 4	2 & 3	Open
SLAM486DX2	1 & 2	1 & 2, 4 & 5	1 & 2, 3 & 4	1 & 2	3 & 4, 5 & 6
80486DX2	Open	2 & 3	1 & 2, 3 & 4	1 & 2	Open
SL80486DX2	1 & 2, 4 & 5	1 & 2, 4 & 5	1 & 2, 3 & 4	1 & 2	3 & 4, 5 & 6
CX486DX4	1 & 2, 3 & 4, 5 & 6	1 & 2, 3 & 4, 5 & 6	1 & 2, 3 & 4	1 & 2	2 & 3, 4 & 5
AM486DX4	Open	2 & 3	1 & 2, 3 & 4	2 & 3	Open
SLAM486DX4	1 & 2	1 & 2, 4 & 5	1 & 2, 3 & 4	1 & 2	3 & 4, 5 & 6
80486DX4	1 & 2, 4 & 5	1 & 2, 4 & 5	1 & 2, 3 & 4	1 & 2	3 & 4, 5 & 6
P24D	1 & 2, 4 & 5	1 & 2, 4 & 5	1 & 2, 3 & 4	1 & 2	3 & 4, 5 & 6
P24T	1 & 2	1 & 2	1 & 2, 3 & 4	2 & 3	5 & 6

Note: Pins designated should be in the closed position. All jumpers may not be present on all revisions.

Continued on next page...

BIOSTAR MICROTECH INTERNATIONAL CORPORATION

MB-1425/1433/1440/1450UIV (REV. 1)

... continued from previous page

CPU TYPE CONFIGURATION (CON'T)					
Type	JP19	JP20	JP23	JP35	JP40
CX486SX	2 & 3, 4 & 5	Open	Open	Open	Open
80486SX	Open	Open	Open	Closed	Open
SL80486SX	1 & 2, 3 & 4	Open	Open	Closed	Open
CX486DX	2 & 3	Open	Open	Open	Open
AM486DX	Open	1 & 2	Open	Closed	Open
80486DX	Open	Open	Open	Closed	Open
SL80486DX	1 & 2, 3 & 4	Open	Open	Open	Open
UMC U55	Open	Open	Open	Closed	Open
CX486DX2	2 & 3	Open	Open	Open	Open
AM486DX2	Open	1 & 2	Open	Closed	Open
SL AM486DX2	1 & 2, 3 & 4	Open	Open	Open	Closed
80486DX2	Open	Open	Open	Closed	Open
SL80486DX2	1 & 2, 3 & 4	Open	Open	Open	Open
CX486DX4	2 & 3	Open	Open	Open	Open
AM486DX4	Open	1 & 2	Open	Closed	Open
SL AM486DX4	1 & 2, 3 & 4	Open	Open	Open	Closed
80486DX4	1 & 2, 3 & 4	Open	Open	Open	Open
P24D	1 & 2, 3 & 4	Open	Open	Open	Open
P24T	1 & 2, 3 & 4	Open	Open	Open	Open

Note: Pins designated should be in the closed position. All jumpers may not be present on all revisions.

CPU SPEED CONFIGURATION			
Speed	JP4	JP5	JP6
25MHz	Open	Open	Closed
33MHz	Closed	Closed	Closed
40MHz	Open	Closed	Closed
50iMHz	Open	Open	Closed
50MHz	Closed	Open	Open
66iMHz	Closed	Closed	Closed
75iMHz	Open	Open	Closed
80iMHz	Open	Closed	Closed
100iMHz	Closed	Closed	Closed

CPU VOLTAGE CONFIGURATION					
Voltage	JP14	JP16	JP27	JP38	JP39
3.3v - 3.6v	1 & 2	1 & 2	1 & 2	1 & 2	Open
4v	1 & 2	1 & 2	1 & 2	2 & 3	Closed
5v	2 & 3	2 & 3	2 & 3	1 & 2	Open

Note: Pins designated should be in the closed position.

Continued on next page. . .

BIOSTAR MICROTECH INTERNATIONAL CORPORATION
MB-1425/1433/1440/1450UIV (REV. 1)*... continued from previous page*

VESA WAIT STATE CONFIGURATION	
Wait states	JP22
0 wait states	Open
1 wait state	Closed

BUS SPEED CONFIGURATION	
CPU speed	JP21
<= 33MHz	Open
> 33MHz	Closed