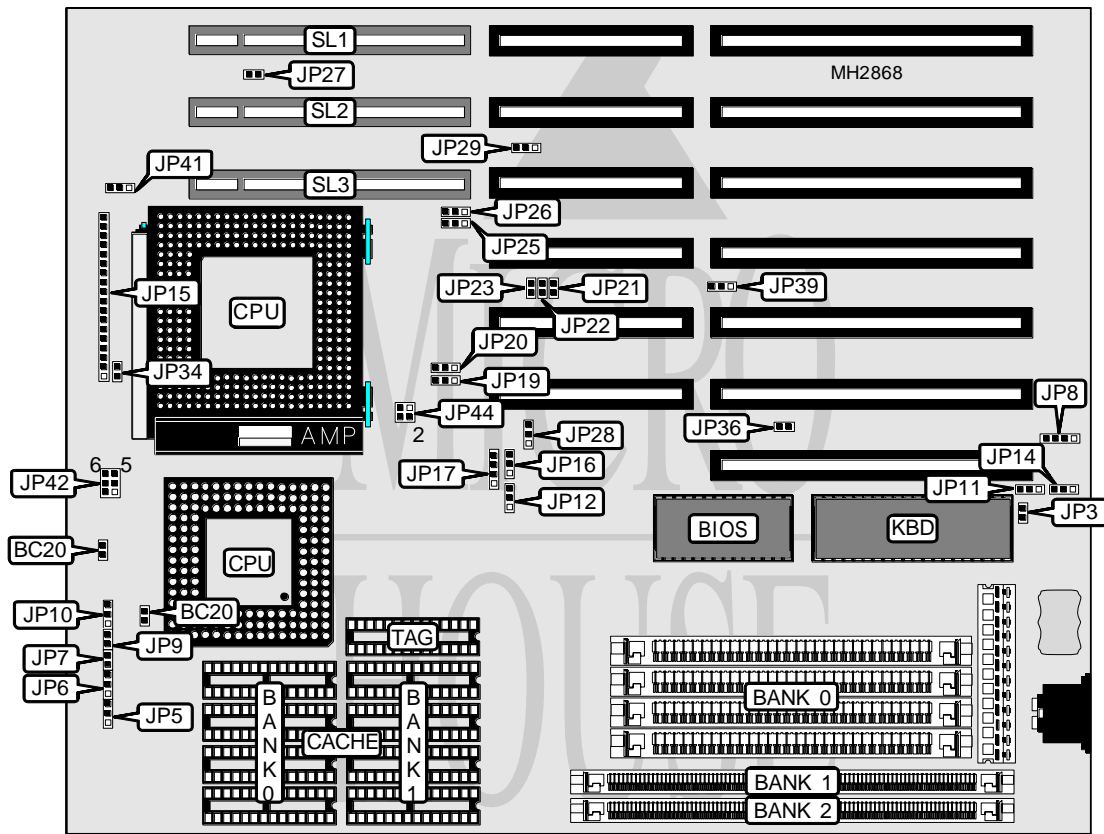


# BIOSTAR MICROTECH INTERNATIONAL CORPORATION

## MB-1425/33/40/50UCV-B/C/D/E

<b>Processor</b>	CX486S/80486SX/80487SX/80486DX/ODP486SX/80486DX2/80486DX4/ Pentium Overdrive
<b>Processor Speed</b>	25/33/40/50(internal)/50/66(internal)/75(internal)/100(internal)MHz
<b>Chip Set</b>	Unidentified
<b>Max. Onboard DRAM</b>	64MB
<b>Cache</b>	32/64/128/256KB
<b>BIOS</b>	AMI
<b>Dimensions</b>	254mm x 218mm
<b>I/O Options</b>	32-bit VESA local bus slots (3), green PC connector
<b>NPU Options</b>	None



CONNECTIONS			
Purpose	Location	Purpose	Location
Daughter board connector	BC20	Turbo LED	JP15 pins 10 - 11
External battery	JP8	Reset switch	JP15 pins 12 - 13
Green PC connector (Ver. D & E)	JP14	Turbo switch	JP15 pins 14 - 16
Speaker	JP15 pins 1 - 4	+5v ground	JP15 pins 17 - 18
Power LED & keylock	JP15 pins 5 - 9	32-bit VESA local bus slots	SL1 - SL3

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# BIOSTAR MICROTECH INTERNATIONAL CORPORATION

## MB-1425/33/40/50UCV-B/C/D/E

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Password normal operation	JP3	Open
Password memory clear	JP3	Closed
í CMOS memory normal operation	JP8	pins 2 & 3 closed
CMOS memory clear	JP8	pins 3 & 4 closed
Battery type select external	JP8	Closed
í Power good signal detect from power supply	JP11	pins 1 & 2 closed
Power good signal detect from board	JP11	pins 2 & 3 closed
í CPU type select PQFP or PGA	JP12	pins 1 & 2 closed
CPU type select PGA enabled & PQFP disabled	JP12	pins 2 & 3 closed
í Monitor type select color (Ver. B & C only)	JP14	pins 2 & 3 closed
Monitor type select monochrome (Ver. B & C only)	JP14	pins 1 & 2 closed
í VGA card select normal card	JP28	pins 1 & 2 closed
VGA card select Weitek Power 9000 VGA card only	JP28	pins 2 & 3 closed
í Cyrix CPU type select CX486DX	JP34	Open
Cyrix CPU type select CX486DX2	JP34	Closed
í Factory configured - do not alter	JP36	Open
í Mouse COM port select COM2	JP39	pins 1 & 2 closed
Mouse COM port select COM1	JP39	pins 2 & 3 closed

DRAM CONFIGURATION			
Size	Bank 0	Bank 1	Bank 2
1MB	(4) 256K x 9	NONE	NONE
2MB	(4) 256K x 9	(1) 256K x 36	NONE
3MB	(4) 256K x 9	(1) 256K x 36	(1) 256K x 36
4MB	(4) 256K x 9	(1) 256K x 36	(1) 512K x 36
5MB	(4) 256K x 9	(1) 1M x 36	NONE
6MB	(4) 256K x 9	(1) 1M x 36	(1) 256K x 36
8MB	(4) 1M x 9	(1) 1M x 36	NONE
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
16MB	(4) 1M x 9	(1) 1M x 36	(1) 2M x 36
20MB	(4) 4M x 9	(1) 1M x 36	NONE
24MB	(4) 4M x 9	(1) 1M x 36	(1) 1M x 36
32MB	(4) 4M x 9	(1) 4M x 36	NONE
36MB	(4) 4M x 9	(1) 1M x 36	(1) 4M x 36
48MB	(4) 4M x 9	(1) 4M x 36	(1) 4M x 36
64MB	(4) 16M x 9	NONE	NONE

Note: If this board uses 30-pin and 72-pin modules, use this table.

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# BIOSTAR MICROTECH INTERNATIONAL CORPORATION

## MB-1425/33/40/50UCV-B/C/D/E

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DRAM CONFIGURATION		
Size	Bank 0	Bank 1
1MB	(4) 256K x 9	NONE
2MB	(4) 256K x 9	(4) 256K x 9
4MB	(4) 1M x 9	NONE
5MB	(4) 1M x 9	(4) 256K x 9
8MB	(4) 1M x 9	(4) 1M x 9
16MB	(4) 4M x 9	NONE
17MB	(4) 4M x 9	(4) 256K x 9
20MB	(4) 4M x 9	(4) 1M x 9
32MB	(4) 4M x 9	(4) 4M x 9
64MB	(4) 16M x 9	NONE

Note: If this board does not use 72-pin sockets, use this table. Depending on board revision, it will have either this setup or the above setup.

CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
32KB	(4) 8K x 8	NONE	(1) 8K x 8
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) 16K x 8
256KB (B)	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8

CACHE JUMPER CONFIGURATION					
Size	JP5	JP6	JP7	JP9	JP10
32KB	2 & 3	Open	Open	Open	Open
64KB	1 & 2	Open	Open	Closed	Open
128KB	2 & 3	2 & 3	Closed	Closed	Open
256KB (A)	1 & 2	1 & 2	Closed	Closed	2 & 3
256KB (B)	1 & 2	1 & 2	Closed	Closed	1 & 2

Note: Pins designated should be in the closed position.

CPU TYPE CONFIGURATION		
Type	JP16	JP17
CX486S	Open	pins 2 & 3 closed
80486SX	Open	pins 2 & 3 closed
ODP486SX	pins 2 & 3 closed	pins 1 & 2, 3 & 4 closed
80487SX	pins 2 & 3 closed	pins 1 & 2, 3 & 4 closed
80486DX	pins 1 & 2 closed	pins 1 & 2, 3 & 4 closed
80486DX2	pins 1 & 2 closed	pins 1 & 2, 3 & 4 closed
80486DX4	pins 1 & 2 closed	pins 1 & 2, 3 & 4 closed
Pentium Overdrive	pins 1 & 2 closed	pins 1 & 2, 3 & 4 closed

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# BIOSTAR MICROTECH INTERNATIONAL CORPORATION

## MB-1425/33/40/50UCV-B/C/D/E

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CPU SPEED CONFIGURATION				
Speed	JP21	JP22	JP23	JP27
25MHz	Closed	Open	Closed	Open
33MHz	Closed	Closed	Open	Open
40MHz	Open	Open	Closed	Closed
50iMHz	Closed	Open	Closed	Open
50MHz	Open	Closed	Open	Closed
66iMHz	Closed	Closed	Open	Open
75iMHz	Closed	Open	Closed	Open
100iMHz	Closed	Closed	Open	Open

CPU SPEED CONFIGURATION (80486DX4 ONLY)	
Speed	JP41
2x	pins 2 & 3 closed
3x	pins 1 & 2 closed

CPU VOLTAGE CONFIGURATION		
Voltage	JP42	JP44
3.3v	Open	Open
5v	pins 3 & 5, 4 & 6 closed	pins 1 & 2, 3 & 4 closed

VESA BUS CLOCK CONFIGURATION (SLOT 1)	
Setting	JP26
Synchronous	pins 1 & 2 closed
Asynchronous	pins 2 & 3 closed

VESA BUS CLOCK CONFIGURATION (SLOT 2)	
Setting	JP25
Synchronous	pins 1 & 2 closed
Asynchronous	pins 2 & 3 closed

VESA BUS CLOCK CONFIGURATION (SLOT 3)	
Setting	JP29
Synchronous	pins 1 & 2 closed
Asynchronous	pins 2 & 3 closed

VGA CARD CONFIGURATION (CIRRUS LOGIC VER. AB)		
CPU speed	JP19	JP20
25MHz	pins 2 & 3 closed	pins 1 & 2 closed
33MHz	pins 2 & 3 closed	pins 1 & 2 closed
40MHz	pins 1 & 2 closed	pins 1 & 2 closed
50MHz	pins 1 & 2 closed	pins 1 & 2 closed

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**BIOSTAR MICROTECH INTERNATIONAL CORPORATION**  
**MB-1425/33/40/50UCV-B/C/D/E***... continued from previous page*

VGA CARD CONFIGURATION (CIRRUS LOGIC VER. AC)		
CPU speed	JP19	JP20
25MHz	pins 2 & 3 closed	pins 1 & 2 closed
33MHz	pins 2 & 3 closed	pins 1 & 2 closed
40MHz	pins 1 & 2 closed	pins 2 & 3 closed
50MHz	pins 1 & 2 closed	pins 2 & 3 closed