

CHICONY, INC.

CH-471A

Processor CX486S/80486SX/SL80486SX/CX486S2/CX486DX/AM486DXL/80486DX/SL80486DX/
AM486DXL2/80486DX2/SL80486DX2/P24D/80486DX4/Pentium Overdrive

Processor Speed 20/25/33/40/50(internal)/50/66(internal)/75(internal)/100(internal)MHz

Chip Set SIS

Max. Onboard DRAM 128MB

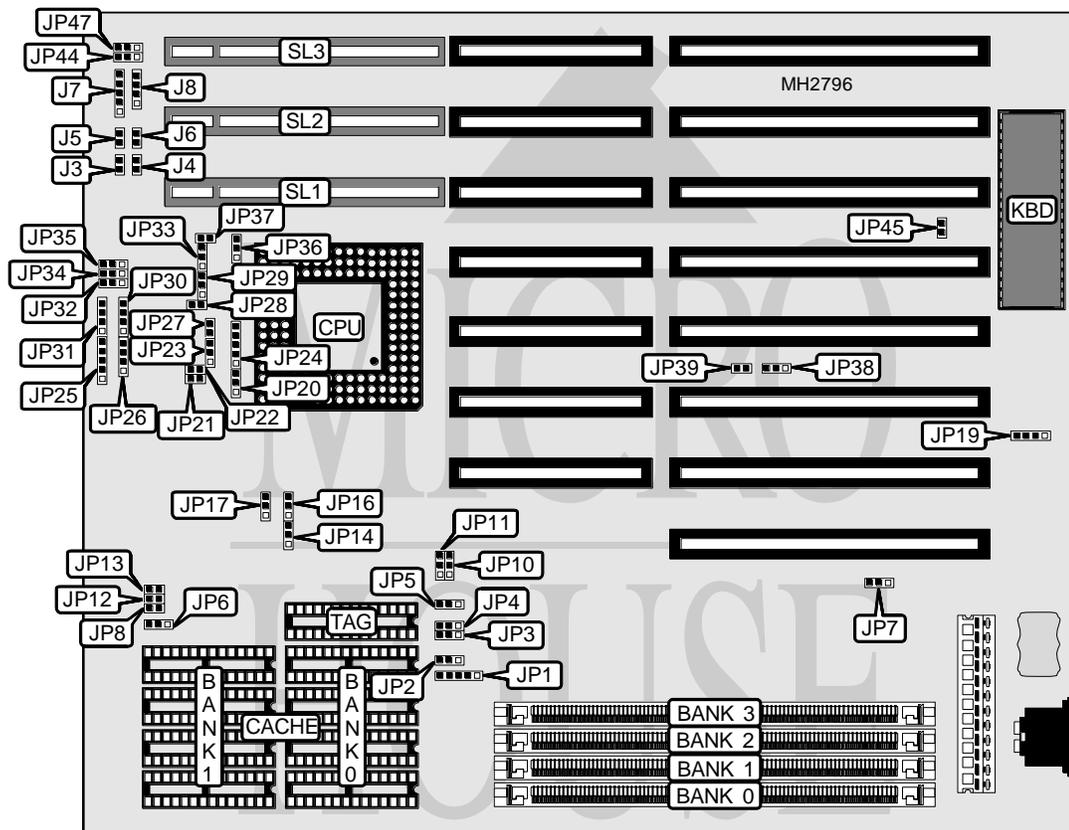
Cache 32/64/128/256/512/1024KB

BIOS Award

Dimensions 254mm x 218mm

I/O Options 32-bit VESA local bus slots (3), green PC connector

NPU Options None



CONNECTIONS			
Purpose	Location	Purpose	Location
Reset switch	J3	Speaker	J8
Green PC connector	J4	External battery	JP19
Turbo switch	J5	Green PC connector	JP38
Turbo LED	J6	Green PC connector	JP39
Power LED & keylock	J7	32-bit VESA local bus slots	SL1 - SL3

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
i CPU clock down control select STPCLK	JP6	pins 1 & 2 closed
CPU clock down control select SMOUT0	JP6	pins 2 & 3 closed
i CMOS memory normal operation	JP7	pins 1 & 2 closed
CMOS memory clear	JP7	pins 2 & 3 closed
i Factory configured - do not alter	JP17	N/A
CPU type select all CPU types	JP22	Open
CPU type select CX486S2 only	JP22	Closed
i Factory configured - do not alter	JP37	N/A
i Address strobe type select normal	JP40	pins 1 & 2 closed
Address strobe type select delayed	JP40	pins 2 & 3 closed
i Factory configured - do not alter	JP45	N/A
Note: The location of JP40 is unidentified.		

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(1) 256K x 36	NONE	NONE	NONE
2MB	(1) 256K x 36	(1) 256K x 36	NONE	NONE
2MB	(1) 512K x 36	NONE	NONE	NONE
4MB	(1) 256K x 36	(1) 256K x 36	(1) 512K x 36	NONE
4MB	(1) 512K x 36	(1) 512K x 36	NONE	NONE
4MB	(1) 1M x 36	NONE	NONE	NONE
5MB	(1) 256K x 36	(1) 1M x 36	NONE	NONE
6MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36	NONE
6MB	(1) 512K x 36	(1) 1M x 36	NONE	NONE
8MB	(1) 256K x 36	(1) 256K x 36	(1) 512K x 36	(1) 1M x 36
8MB	(1) 512K x 36	(1) 512K x 36	(1) 1M x 36	NONE
8MB	(1) 1M x 36	(1) 1M x 36	NONE	NONE
8MB	(1) 2M x 36	NONE	NONE	NONE
10MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36
12MB	(1) 512K x 36	(1) 512K x 36	(1) 1M x 36	(1) 1M x 36
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	NONE
16MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
16MB	(1) 2M x 36	(1) 2M x 36	NONE	NONE
16MB	(1) 4M x 36	NONE	NONE	NONE
17MB	(1) 256K x 36	(1) 4M x 36	NONE	NONE
18MB	(1) 256K x 36	(1) 256K x 36	(1) 4M x 36	NONE
18MB	(1) 512K x 36	(1) 4M x 36	NONE	NONE
20MB	(1) 512K x 36	(1) 512K x 36	(1) 4M x 36	NONE
20MB	(1) 1M x 36	(1) 4M x 36	NONE	NONE
24MB	(1) 512K x 36	(1) 512K x 36	(1) 1M x 36	(1) 4M x 36

24MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	NONE
24MB	(1) 2M 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			
32MB	(1) 8M x 36	NONE	NONE	NONE

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
36MB	(1) 512K x 36	(1) 512K x 36	(1) 4M x 36	(1) 4M x 36
36MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	NONE
36MB	(1) 1M x 36	(1) 8M x 36	NONE	NONE
40MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36
40MB	(1) 1M x 36	(1) 1M x 36	(1) 8M x 36	NONE
48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	NONE
48MB	(1) 4M 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
64MB	(1) 4M x 36	(1) 4M x 36	(1) 8M x 36	NONE
64MB	(1) 16M x 36	NONE	NONE	NONE
64MB	(1) 8M x 36	(1) 8M x 36	NONE	NONE
65MB	(1) 256K x 36	(1) 16M x 36	NONE	NONE
68MB	(1) 1M x 36	(1) 16M x 36	NONE	NONE
68MB	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36	NONE
72MB	(1) 1M x 36	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36
72MB	(1) 1M x 36	(1) 1M x 36	(1) 16M x 36	NONE
80MB	(1) 4M x 36	(1) 16M x 36	NONE	NONE
80MB	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36	NONE
96MB	(1) 4M x 36	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36
96MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	NONE
96MB	(1) 4M x 36	(1) 4M x 36	(1) 16M x 36	NONE
128MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
128MB	(1) 16M x 36	(1) 16M x 36	NONE	NONE

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	(4) 32K x 8	(4) 32K x 8	(1) 16K x 8
512KB	(4) 128K x 8	NONE	(1) 32K x 8
1MB	(4) 128K x 8	(4) 128K x 8	(1) 64K x 8

CACHE JUMPER CONFIGURATION							
Size	JP1	JP2	JP3	JP4	JP5	JP14	JP16
32KB	1 & 2, 3 & 4	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
64KB	2 & 3, 4 & 5	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
128KB	1 & 2, 3 & 4	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2	2 & 3
256KB	2 & 3, 4 & 5	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2	2 & 3
512KB	1 & 2, 3 & 4	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3

1MB	2 & 3, 4 & 5	1 & 2	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3
Note: Pins designated should be in the closed position.							

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CPU TYPE CONFIGURATION					
Type	JP10	JP11	JP20	JP21	JP23
CX486S	2 & 3	1 & 2	2 & 3	Open	Open
80486SX	1 & 2	2 & 3	2 & 3	Open	Open
SL80486SX	1 & 2	2 & 3	2 & 3	Open	1 & 2
CX486DX	2 & 3	1 & 2	1 & 2	Closed	Open
AM486DXL	1 & 2	2 & 3	1 & 2	Closed	Open
80486DX	1 & 2	2 & 3	1 & 2	Closed	Open
SL80486DX	1 & 2	2 & 3	1 & 2	Closed	1 & 2
CX486DX2	2 & 3	1 & 2	1 & 2	Closed	Open
AM486DXL2	1 & 2	2 & 3	1 & 2	Closed	Open
SL80486DX2	1 & 2	2 & 3	1 & 2	Closed	1 & 2
P24D	1 & 2	2 & 3	1 & 2	Closed	2 & 3
80486DX4	1 & 2	2 & 3	1 & 2	Closed	1 & 2
P24T	1 & 2	1 & 2	1 & 2	Closed	Open

Note: Pins designated should be in the closed position.

CPU TYPE CONFIGURATION					
Type	JP24	JP25	JP26	JP27	JP28
CX486S	2 & 3	2 & 3, 4 & 5	1 & 2, 3 & 4	Open	Open
80486SX	Open	Open	Open	Open	Open
SL80486SX	4 & 5	3 & 4	2 & 3	Open	Open
CX486DX	2 & 3	2 & 3	1 & 2, 3 & 4	Open	Open
AM486DXL	Open	Open	Open	Open	Open
80486DX	Open	Open	Open	Open	Open
SL80486DX	4 & 5	3 & 4	2 & 3	Open	Open
CX486DX2	2 & 3	2 & 3	1 & 2, 3 & 4	Open	Open
AM486DXL2	Open	Open	Open	Open	Open
SL80486DX2	4 & 5	3 & 4	2 & 3	Open	Open
P24D	4 & 5	1 & 2, 3 & 4	2 & 3	Closed	Closed
80486DX4	4 & 5	3 & 4	2 & 3	Open	Open
P24T	1 & 2	3 & 4	2 & 3	Open	Open

Note: Pins designated should be in the closed position.

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CPU TYPE CONFIGURATION					
Type	JP29	JP30	JP31	JP33	JP36
CX486S	2 & 3	2 & 3	Open	2 & 3	1 & 2
80486SX	2 & 3	Open	Open	Open	Open
SL80486SX	2 & 3	Open	Open	Open	1 & 2
CX486DX	2 & 3	2 & 3	3 & 4	2 & 3	1 & 2
AM486DXL	2 & 3	3 & 4	1 & 2	Open	2 & 3
80486DX	2 & 3	Open	3 & 4	Open	Open
SL80486DX	2 & 3	Open	3 & 4	Open	1 & 2
CX486DX2	2 & 3	2 & 3	3 & 4	2 & 3	1 & 2
AM486DXL2	2 & 3	3 & 4	1 & 2	Open	2 & 3
SL80486DX2	2 & 3	Open	3 & 4	Open	1 & 2
P24D	1 & 2	Open	3 & 4	Open	1 & 2
80486DX4	2 & 3	Open	3 & 4	Open	1 & 2
P24T	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED CONFIGURATION			
Speed	JP8	JP12	JP13
20MHz	Open	Open	Open
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
100iMHz	Closed	Closed	Closed

CPU VOLTAGE CONFIGURATION			
Voltage	JP32	JP34	JP35
3.3v	pins 2 & 3 closed	pins 2 & 3 closed	pins 2 & 3 closed
5v	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed

VESA WAIT STATE CONFIGURATION	
Wait states	JP44
0 wait states	pins 1 & 2 closed
1 wait state	pins 2 & 3 closed

BUS SPEED CONFIGURATION	
CPU speed	JP47
<= 33MHz	pins 1 & 2 closed
> 33MHz	pins 2 & 3 closed