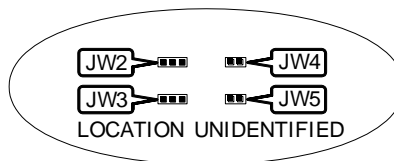
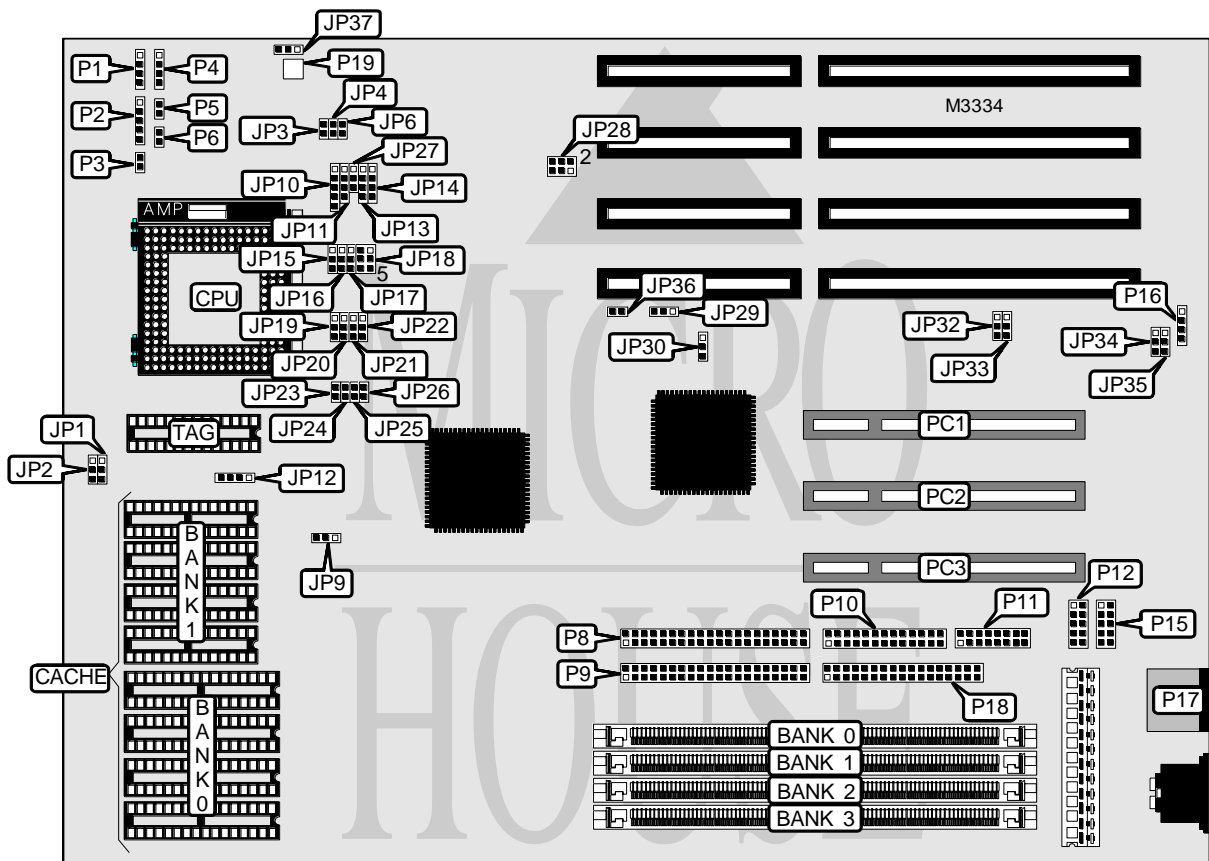


OCEAN INFORMATION SYSTEMS, INC.

HIPPO 15 486

Processor	CX486S/80486SX/SL80486SX/CX486DX/TI486DX/486BL/UMCU5S/ AM486DXL/80486DX/SL80486DX/AM486DX2/(SL)AM486DX2/ UMCU5DS/80486DX2/SL80486DX2/AM486DX4/(SL)AM486DX4/ 80486DX4/P24D/P24T/CX5X86/AMK5
Processor Speed	25/33/40/50(internal)/50/66(internal)/75(internal)/80(internal)/ 100(internal)/120(internal)MHz
Chip Set	Unidentified
Video Chip Set	None
Maximum Onboard Memory	256MB
Maximum Video Memory	None
Cache	128/256/512KB
BIOS	Unidentified
Dimensions	330mm x 218mm
I/O Options	32-bit PCI slots (3), floppy drive interface, game port, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2)
NPU Options	None



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OCEAN INFORMATION SYSTEMS, INC.
HIPPO 15 486

... continued from previous page

CONNECTIONS			
Function	Label	Function	Label
Speaker	P1	Game port	P11
Power LED & keylock	P2	Serial port 2	P12
Reset switch	P3	Serial port 1	P15
IDE interface LED	P4	External battery	P16
Turbo LED	P5	PS/2 mouse port	P17
Turbo switch	P6	Floppy drive interface	P18
IDE interface 2	P8	Chassis fan power	P19
IDE interface 1	P9	32-bit PCI slots	PC1 - PC3
Parallel port	P10		

USER CONFIGURABLE SETTINGS		
Setting	Label	Position
í Factory configured - do not alter	JP20	Pins 2 & 3 closed
í Factory configured - do not alter	JP26	Pins 1 & 2 closed
Jumper information unavailable	JP27	N/A
í Factory configured - do not alter	JP30	Pins 2 & 3 closed
í Factory configured - do not alter	JP32	Pins 1 & 2 closed
Jumper information unavailable	JP34	N/A
Battery type select internal	JP35	Pins 2 & 3 closed
Battery type select external	JP35	Pins 1 & 2 closed
í Factory configured - do not alter	JP36	Open
Jumper information unavailable	JP37	N/A
í Factory configured - do not alter	JW2	Pins 1 & 2 closed
í Factory configured - do not alter	JW3	Pins 1 & 2 closed
í Factory configured - do not alter	JW4	Open
í Factory configured - do not alter	JW5	Open

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
4MB	(1) 1M x 36	None	None	None
8MB	(1) 2M x 36	None	None	None
8MB	(1) 1M x 36	(1) 1M x 36	None	None
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	None
12MB	(1) 1M x 36	None	(1) 2M x 36	None
16MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
16MB	(1) 1M x 36	(1) 1M x 36	(1) 2M x 36	None
16MB	(1) 2M x 36	(1) 2M x 36	None	None
16MB	(1) 4M x 36	None	None	None
20MB	(1) 1M x 36	None	(1) 4M x 36	None
20MB	(1) 2M x 36	(1) 2M x 36	(1) 1M x 36	None
24MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	None
24MB	(1) 2M x 36	None	(1) 4M x 36	None

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OCEAN INFORMATION SYSTEMS, INC.

HIPPO 15 486

... continued from previous page

DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
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	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
36MB	(1) 4M x 36	(1) 4M x 36	(1) 1M x 36	None
40MB	(1) 4M x 36	(1) 4M x 36	(1) 2M x 36	None
40MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36
48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	None
48MB	(1) 8M x 36	None	(1) 4M x 36	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) 8M x 36	(1) 8M x 36	None	None
80MB	(1) 8M x 36	(1) 8M x 36	(1) 4M x 36	None
96MB	(1) 4M x 36	(1) 4M x 36	(1) 16M x 36	None
96MB	(1) 8M x 36	None	(1) 16M x 36	None
128MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
144MB	(1) 16M x 36	(1) 16M x 36	(1) 4M x 36	None
160MB	(1) 16M x 36	(1) 16M x 36	(1) 8M x 36	None
192MB	(1) 16M x 36	(1) 16M x 36	(1) 8M x 36	(1) 8M x 36
256MB	(1) 16M x 36	(1) 16M x 36	(1) 16M x 36	(1) 16M x 36

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

CACHE JUMPER CONFIGURATION		
Size	JP9	JP12
128KB	Pins 2 & 3 closed	Open
256KB (A)	Pins 2 & 3 closed	Pins 1 & 2 closed
256KB (B)	Pins 1 & 2 closed	Pins 1 & 2 closed
512KB	Pins 2 & 3 closed	Pins 1 & 2, 3 & 4 closed

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OCEAN INFORMATION SYSTEMS, INC.
HIPPO 15 486

... continued from previous page

CPU SPEED SELECTION	
Speed	JP28
25MHz	Pins 5 & 6 closed
33MHz	Pins 1 & 2, 3 & 4, 5 & 6 closed
40MHz	Pins 3 & 4, 5 & 6 closed
50iMHz	Pins 5 & 6 closed
50MHz	Pins 1 & 2 closed
66iMHz	Pins 1 & 2, 3 & 4, 5 & 6 closed
75iMHz	Pins 5 & 6 closed
80iMHz	Pins 3 & 4, 5 & 6 closed
100iMHz	Pins 1 & 2, 3 & 4, 5 & 6 closed
120iMHz	Pins 3 & 4, 5 & 6 closed

CPU TYPE SELECTION					
Type	JP1	JP2	JP10	JP11	JP13
CX486S	1 & 2	2 & 3	1 & 2, 3 & 4	2 & 3	Open
80486SX	1 & 2	1 & 2	Open	Open	Open
SL80486SX	1 & 2	1 & 2	2 & 3, 4 & 5	Open	Open
CX486DX	1 & 2	2 & 3	1 & 2, 3 & 4	2 & 3	3 & 4
TI486DX	1 & 2	2 & 3	1 & 2, 3 & 4	2 & 3	3 & 4
486 BL	1 & 2	2 & 3	1 & 2, 3 & 4	2 & 3	3 & 4
UMC U5S	2 & 3	1 & 2	Open	3 & 4	1 & 2, 3 & 4
AM486DXL	2 & 3	1 & 2	Open	3 & 4	1 & 2, 3 & 4
80486DX	1 & 2	1 & 2	Open	Open	3 & 4
SL80486DX	1 & 2	1 & 2	2 & 3, 4 & 5	Open	3 & 4
AM486DX2	2 & 3	1 & 2	Open	3 & 4	1 & 2, 3 & 4
(SL)AM486DX2	1 & 2	1 & 2	2 & 3, 4 & 5	Open	3 & 4
UMC U5DS	2 & 3	1 & 2	Open	3 & 4	1 & 2, 3 & 4
80486DX2	1 & 2	1 & 2	Open	Open	3 & 4
SL80486DX2	1 & 2	1 & 2	2 & 3, 4 & 5	Open	3 & 4
AM486DX4	2 & 3	1 & 2	Open	3 & 4	1 & 2, 3 & 4
(SL)AM486DX4	1 & 2	1 & 2	2 & 3, 4 & 5	Open	3 & 4
80486DX4	1 & 2	1 & 2	2 & 3, 4 & 5	Open	3 & 4
P24D	1 & 2	1 & 2	2 & 3, 4 & 5	Open	3 & 4
P24T	1 & 2	1 & 2	2 & 3, 4 & 5	1 & 2	2 & 3
CX5X86	1 & 2	1 & 2	2 & 3, 4 & 5	Open	3 & 4
AM5X86	1 & 2	1 & 2	2 & 3, 4 & 5	Open	3 & 4

Note: Pins designated should be in the closed position.

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OCEAN INFORMATION SYSTEMS, INC.

HIPPO 15 486

... continued from previous page

CPU TYPE SELECTION (CON'T)					
Type	JP14	JP15	JP16	JP17	JP18
CX486S	2 & 3	Open	1 & 2	2 & 3	3 & 4
80486SX	2 & 3	Open	Open	Open	1 & 2
SL80486SX	2 & 3	Open	Open	Open	3 & 4
CX486DX	1 & 2, 3 & 4	Open	1 & 2	2 & 3	3 & 4
TI486DX	1 & 2, 3 & 4	Open	1 & 2	2 & 3	3 & 4
486 BL	1 & 2, 3 & 4	Open	1 & 2	2 & 3	3 & 4
UMC U5S	2 & 3	Open	Open	Open	1 & 2
AM486DXL	1 & 2, 3 & 4	Open	Open	Open	1 & 2
80486DX	1 & 2, 3 & 4	Open	Open	Open	1 & 2
SL80486DX	1 & 2, 3 & 4	Open	Open	Open	3 & 4
AM486DX2	1 & 2, 3 & 4	1 & 2	Open	Open	1 & 2
(SL)AM486DX2	1 & 2, 3 & 4	2 & 3	Open	Open	3 & 4
UMC U5DS	1 & 2, 3 & 4	Open	Open	Open	1 & 2
80486DX2	1 & 2, 3 & 4	Open	Open	Open	1 & 2
SL80486DX2	1 & 2, 3 & 4	Open	Open	Open	3 & 4
AM486DX4	1 & 2, 3 & 4	Open	Open	Open	1 & 2
(SL)AM486DX4	1 & 2, 3 & 4	2 & 3	Open	Open	3 & 4
80486DX4	1 & 2, 3 & 4	Open	Open	Open	3 & 4
P24D	1 & 2, 3 & 4	2 & 3	Open	Open	3 & 4
P24T	1 & 2, 3 & 4	Open	2 & 3	1 & 2	3 & 4, 5 & 6
CX5X86	1 & 2, 3 & 4	Open	Open	Open	3 & 4
AM5X86	1 & 2, 3 & 4	2 & 3	Open	Open	3 & 4

Note: Pins designated should be in the closed position.

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OCEAN INFORMATION SYSTEMS, INC.
HIPPO 15 486

... continued from previous page

CPU TYPE SELECTION (CON'T)					
Type	JP21	JP22	JP23	JP24	JP25
CX486S	2 & 3	1 & 2	Open	Open	Open
80486SX	Open	Open	Open	Open	Open
SL80486SX	2 & 3	2 & 3	Open	Open	Open
CX486DX	2 & 3	1 & 2	Open	Open	Open
TI486DX	2 & 3	1 & 2	Open	Open	Open
486 BL	2 & 3	1 & 2	Open	Open	Open
UMC U5S	1 & 2	Open	Open	Open	Open
AM486DXL	1 & 2	Open	Open	Open	Open
80486DX	Open	Open	Open	Open	Open
SL80486DX	2 & 3	2 & 3	Open	Open	Open
AM486DX2	1 & 2	Open	Open	Open	Open
(SL)AM486DX2	2 & 3	2 & 3	Open	Open	1 & 2
UMC U5DS	1 & 2	Open	Open	Open	Open
80486DX2	Open	Open	Open	Open	Open
SL80486DX2	2 & 3	2 & 3	Open	Open	Open
AM486DX4	1 & 2	Open	Open	Open	Open
(SL)AM486DX4	2 & 3	2 & 3	Open	Open	1 & 2
80486DX4	2 & 3	2 & 3	Open	Open	Open
P24D	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2
P24T	2 & 3	2 & 3	Open	Open	Open
CX5X86	2 & 3	2 & 3	Open	1 & 2	1 & 2
AM5X86	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU MULTIPLIER SELECTION (80486DX4)	
Multiplier	JP19
2x	Pins 2 & 3 closed
2.5x	Pins 1 & 2 closed
3x	Open

CPU MULTIPLIER SELECTION (AM486DX4)	
Multiplier	JP19
2x	Pins 2 & 3 closed
3x	Open

CPU MULTIPLIER SELECTION (AM5X86)	
Multiplier	JP19
4X	Pins 2 & 3 closed

Continued on next page...

OCEAN INFORMATION SYSTEMS, INC.
HIPPO 15 486

... continued from previous page

CPU VOLTAGE SELECTION			
Voltage	JP3	JP4	JP6
3.45v/5v (auto)	Pins 1 & 2 closed	Open	Open
3.45v (fixed)	Open	Open	Open
3.6v (fixed)	Open	Open	Pins 1 & 2 closed
5v (fixed)	Open	Pins 1 & 2 closed	Open

DMA CHANNEL SELECTION		
Channel	JP29	JP33
1	Pins 1 & 2 closed	Pins 2 & 3 closed
3	Pins 2 & 3 closed	Pins 1 & 2 closed