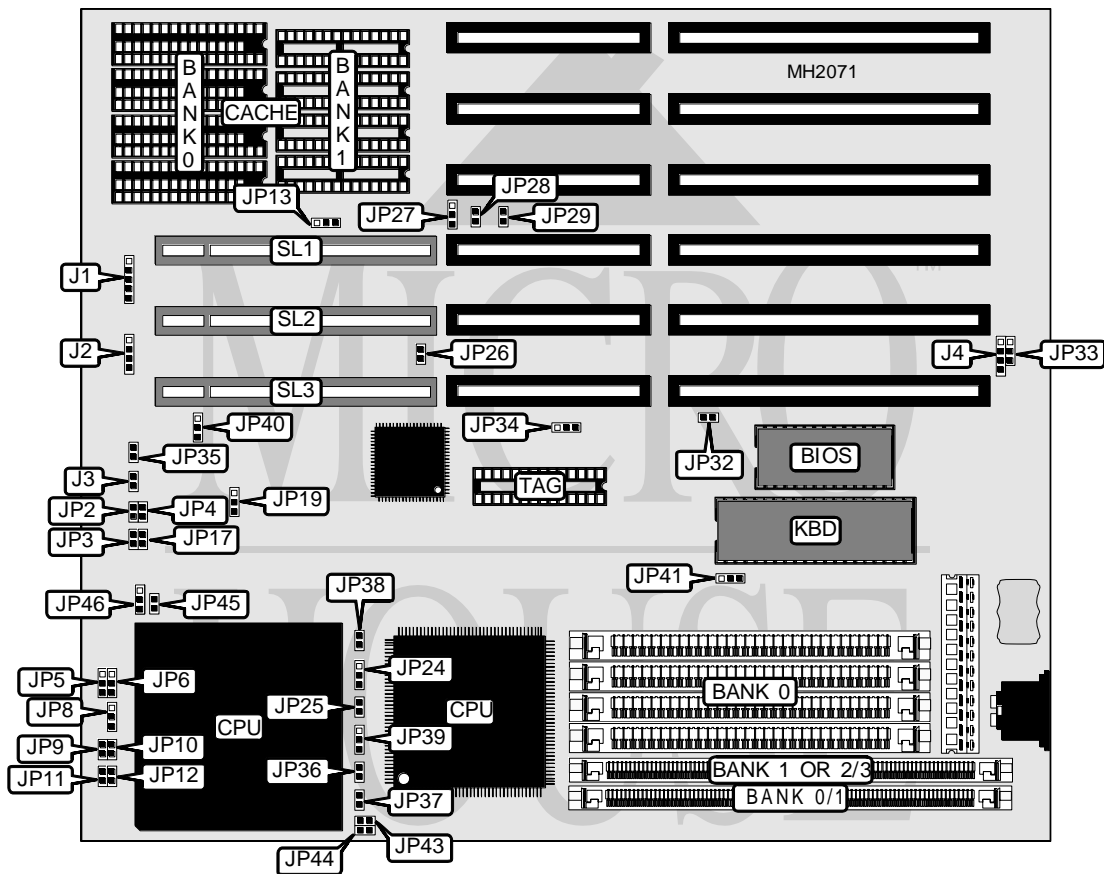


DATAEXPERT CORPORATION/VISION TECHNOLOGIES 486WB CACHE/ESP486 (VER. 1)

Processor	CX486M6/80486SX/CX486M7/AMD486DXL/AMD486DX/80486DX/CX486DX2/ AMD486DX2/80486DX2/80486DX4/Pentium Overdrive
Processor Speed	25/33/40/50(internal)/50/66(internal)MHz
Chip Set	OPTI
Max. Onboard DRAM	64MB
Cache	64/128/256KB
BIOS	Award
Dimensions	230mm x 218mm
I/O Options	32-bit VESA local bus slots (3)
NPU Options	None



CONNECTIONS			
Purpose	Location	Purpose	Location
Power LED & keylock	J1	Turbo LED	JP2
Speaker	J2	Power saving connector	JP26
Reset switch	J3	Turbo switch	JP35
External battery	J4	32-bit VESA Local bus slots	SL1 - SL3

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DATAEXPERT CORPORATION/VISION TECHNOLOGIES

486WB CACHE/ESP486 (VER. 1)

... continued from previous page.

USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Monitor type select color	JP32	Closed
Monitor type select monochrome	JP32	Open
í CMOS memory normal operation	JP33	pins 2 & 3 closed
CMOS memory clear	JP33	pins 1 & 2 closed
í L2 write through enabled	JP34	pins 2 & 3 closed
L2 write back enabled	JP34	pins 1 & 2 closed
í Turbo speed enabled	JP35	Open
Turbo speed disabled	JP35	Closed
í DRAM configuration select Table 1	JP41	pins 2 & 3 closed
DRAM configuration select Table 2	JP41	pins 1 & 2 closed

DRAM CONFIGURATION (TABLE 1)			
Size	Bank 0	Bank 0/1	Bank 1
2MB	NONE	(1) 512K x 36	NONE
2MB	(4) 256K x 9	NONE	(1) 256K x 36
2MB	NONE	(1) 256K x 36	(1) 256K x 36
4MB	(4) 1M x 9	NONE	NONE
4MB	NONE	(1) 1M x 36	NONE
5MB	NONE	(1) 256K x 36	(1) 1M x 36
5MB	(4) 256K x 9	NONE	(1) 1M x 36
8MB	NONE	(1) 1M x 36	(1) 1M x 36
8MB	(4) 1M x 9	NONE	(1) 1M x 36
8MB	NONE	(1) 2M x 36	NONE
16MB	NONE	(1) 4M x 36	NONE
16MB	(4) 4M x 9	NONE	NONE
17MB	(4) 256K x 9	NONE	(1) 4M x 36
17MB	NONE	(1) 256K x 36	(1) 4M x 36
20MB	(4) 1M x 9	NONE	(1) 4M x 36
20MB	NONE	(1) 1M x 36	(1) 4M x 36
32MB	(4) 4M x 9	NONE	(1) 4M x 36
32MB	NONE	(1) 4M x 36	(1) 4M x 36
32MB	NONE	(1) 8M x 36	NONE
64MB	(4) 16M x 9	NONE	NONE

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DATAEXPERT CORPORATION/VISION TECHNOLOGIES

486WB CACHE/ESP486 (VER. 1)

... continued from previous page.

DRAM CONFIGURATION (TABLE 2)			
Size	Bank 0	Bank 0/1	Bank 1
2MB	NONE	(1) 512K x 36	NONE
4MB	(4) 1M x 9	NONE	NONE
4MB	NONE	(1) 512K x 36	(2) 512K x 36
8MB	NONE	(1) 2M x 36	NONE
10MB	NONE	(1) 512K x 36	(2) 2M x 36
16MB	(4) 4M x 9	NONE	NONE
16MB	NONE	(1) 2M x 36	(2) 2M x 36
32MB	NONE	(1) 8M x 36	NONE
64MB	(4) 16M x 9	NONE	NONE
64MB	NONE	(1) 8M x 36	(2) 8M x 36

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	(4) 32K x 8	(4) 32K x 8	(1) 16K x 8 or (1) 32K x 8

CACHE JUMPER CONFIGURATION			
Size	JP13	JP28	JP29
64KB	pins 2 & 3 closed	Open	Open
128KB	pins 1 & 2 closed	Open	Closed
256KB	pins 2 & 3 closed	Closed	Closed

TAG SRAM JUMPER CONFIGURATION		
Size	TAG	JP27
64KB	(1) 8K x 8	pins 1 & 2 closed
128KB	(1) 8K x 8	pins 1 & 2 closed
256KB	(1) 16K x 8	pins 2 & 3 closed
256KB	(1) 32K x 8	pins 1 & 2 closed

CPU TYPE CONFIGURATION							
Type	JP5	JP6	JP8	JP19	JP24	JP39	JP43
80486SX	2 & 3	Open	Open	1 & 2	Open	2 & 3	Open
CX486M6	2 & 3	Open	Open	1 & 2	1 & 2	1 & 2	Open
CX486M7	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2	Open
80486DX	1 & 2	2 & 3	1 & 2	1 & 2	Open	2 & 3	Open
80486DX4	1 & 2	2 & 3	1 & 2	1 & 2	Open	2 & 3	Closed
Overdrive	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3	Open

Note: Pins designated should be in the closed position. 80486DX includes Intel and AMD DX/DXL.

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DATAEXPERT CORPORATION/VISION TECHNOLOGIES

486WB CACHE/ESP486 (VER. 1)

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CPU TYPE CONFIGURATION (UPDATED VERSION)							
Type	JP5	JP6	JP8	JP19	JP24	JP39	JP43
80486SX	2 & 3	Open	Open	1 & 2	Open	2 & 3	Closed
CX486M6	2 & 3	Open	Open	1 & 2	1 & 2	1 & 2	Closed
CX486M7	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2	Closed
80486DX	1 & 2	2 & 3	1 & 2	1 & 2	Open	2 & 3	Closed
80486DX4	1 & 2	2 & 3	1 & 2	1 & 2	Open	2 & 3	Open
Overdrive	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3	Closed

Note: Pins designated should be in the closed position. 80486DX includes Intel and AMD DX/DXL.

CPU TYPE CONFIGURATION			
Type	JP11	JP12	JP25
í PQFP CPU disabled	Open	Open	Closed
PQFP CPU enabled	Closed	Closed	Open

CPU SPEED CONFIGURATION			
Speed	JP3	JP4	JP17
25MHz	Closed	Closed	Open
33MHz	Closed	Open	Closed
40MHz	Open	Closed	Closed
50iMHz	Closed	Closed	Open
50MHz	Closed	Closed	Closed
66iMHz	Closed	Open	Closed

CPU CLOCK SPEED CONFIGURATION (INTEL DX4)			
Clock speed	JP36	JP37	JP38
2x	Open	Closed	Open
2.5x	Open	Open	Closed
3x	Closed	Open	Open

CPU POWER VOLTAGE CONFIGURATION			
Voltage	JP44	JP45	JP46
3.3 (DX4)	Open	Closed	pins 1 & 2 closed
5 (other CPU)	Closed	Open	pins 2 & 3 closed

VESA BUS SPEED CONFIGURATION	
CPU speed	JP40
< = 33MHz	pins 2 & 3 closed
> 33MHz	pins 1 & 2 closed

POWER MANAGEMENT CONFIGURATION		
Mode	JP9	JP10
í Non SMM	Open	Open
SMM	Closed	Closed