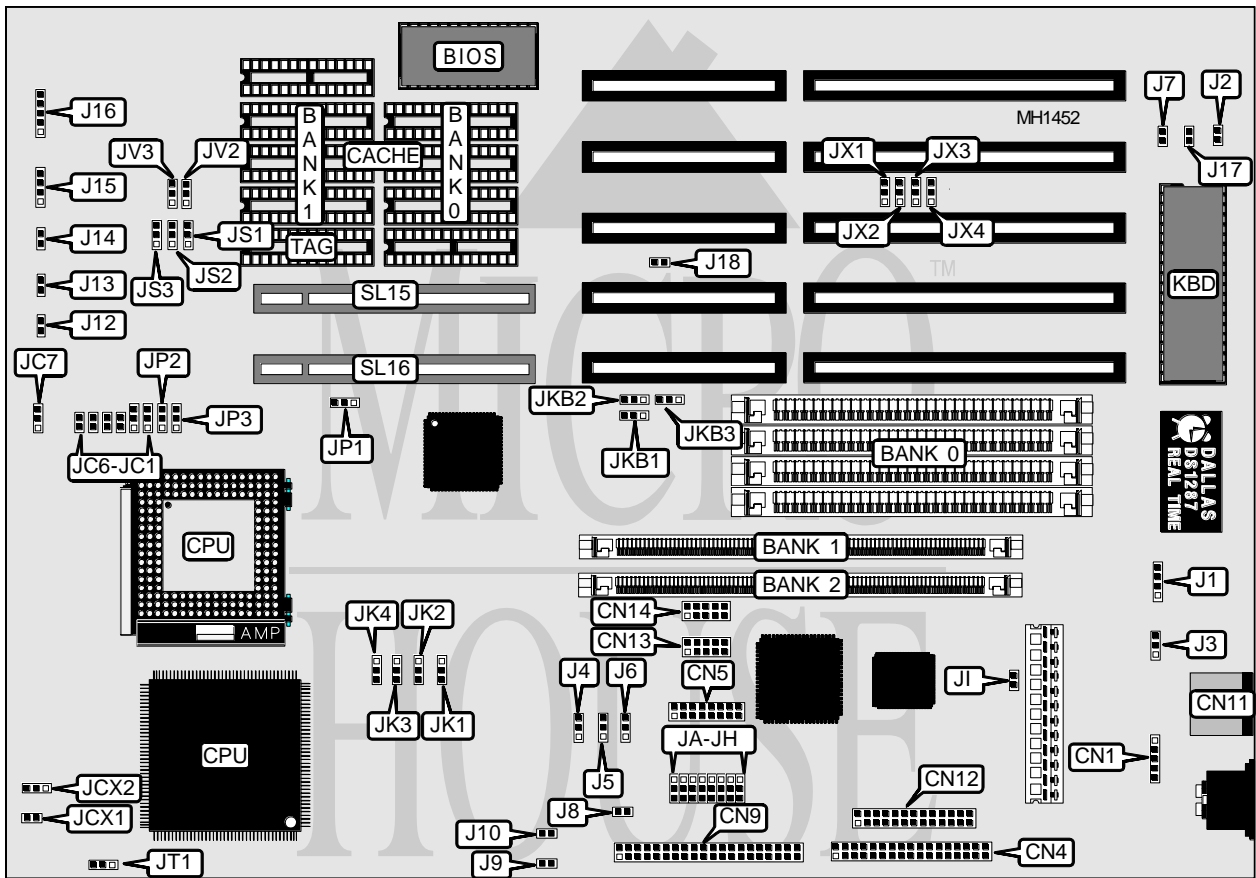


FIRST INTERNATIONAL COMPUTER, INC.

486-GIO-VT

Processor	80486SX/CX486S/486S Series/80486DX/80486DX2/Pentium Overdrive
Processor Speed	25/33/50(internal)/66(internal)MHz
Chip Set	VIA
Max. Onboard DRAM	96MB
Cache	64/128/256KB
BIOS	AMI/AWARD
Dimensions	330mm x 218mm
I/O Options	32-bit VESA local bus slots (2), floppy drive interface, game port, IDE interface, PS/2 mouse port
NPU Options	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
PS/2 mouse connector	CN1	IDE interface LED	J8
Floppy drive interface	CN4	Turbo switch	J12
Game port	CN5	Turbo LED	J13
IDE interface	CN9	Reset switch	J14
PS/2 mouse port	CN11	Speaker	J15
Parallel port	CN12	Power LED & keylock	J16
Serial port 1	CN13	Power supply outlet	J17
Serial port 2	CN14	32-bit VESA Local bus slots	SL15, SL16
External battery	J1		

USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
1 Monitor type select mono/EGA/VGA	J2	Open
Monitor type select color	J2	Closed
1 Internal battery select	J3	pins 2 & 3 closed
External battery select	J3	pins 1 & 2 closed
1 Local IDE selection enabled	J4	pins 1 & 2 closed
Local IDE selection disabled	J4	pins 2 & 3 closed
1 Award BIOS select	J7	pins 1 & 2 closed
AMI BIOS select	J7	pins 2 & 3 closed
1 IDE BALE disabled	J9	Open
IDE BALE enabled	J9	Closed
1 IDE IOCHRDY disabled	J10	Open
IDE IOCHRDY enabled	J10	Closed
1 Adaptec ISA master installed	J18	Closed
Adaptec ISA master not installed	J18	Open
1 80486SX/80486SX(SL)/80486DX(SL)/Cx486S PQFP disable	JC6	Closed
80486SX/80486SX(SL)/80486DX(SL)/Cx486S PQFP enable	JC6	Open
1 IDE enabled	JG	pins 2 & 3 closed
IDE disabled	JG	pins 1 & 2 closed
1 Floppy drive interface enabled	JH	pins 2 & 3 closed
Floppy drive interface disabled	JH	pins 1 & 2 closed
1 Parallel port uni-directional (printer)	JI	Closed
Parallel port bi-directional	JI	Open
1 IDE select A26	JP1	pins 1 & 2 closed
IDE select IRQ 15	JP1	pins 2 & 3 closed
1 Factory configured - do not alter	JP3	N/A
1 CPU clock select 1X	JX1	pins 1 & 2 closed
CPU clock select 2X	JX1	pins 2 & 3 closed
1 ODP586SX write back select	JT1	pins 1 & 2 closed
ODP586SX write through select	JT1	pins 2 & 3 closed
1 IDE select IRQ 15	JX2, JP2	pins 1 & 2 closed
IDE select SMI	JX2, JP2	pins 2 & 3 closed

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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	NONE	(1) 256K x 36	(1) 256K x 36
2MB	(4) 256K x 9	NONE	(1) 256K x 36
3MB	(4) 256K x 9	(1) 256K x 36	(1) 256K x 36
4MB	(4) 1M x 9	NONE	NONE
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) 256K x 9	(1) 1M x 36	(1) 256K x 36
6MB	(4) 256K x 9	(1) 256K x 36	(1) 1M x 36
6MB	(4) 1M x 9	(1) 256K x 36	(1) 256K 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
9MB	(4) 256K x 9	(1) 1M x 36	(1) 1M x 36
9MB	(4) 1M x 9	(1) 256K x 36	(1) 1M x 36
9MB	(4) 1M x 9	(1) 1M x 36	(1) 256K x 36
12MB	(4) 1M x 9	(1) 1M 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	NONE	(1) 256K x 36	
17MB	NONE	(1) 4M x 36	(1) 256K x 36
17MB	(4) 4M x 9	(1) 256K x 36	NONE
17MB	(4) 4M x 9	NONE	(1) 256K x 36

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DRAM CONFIGURATION			
Size	Bank 0	Bank 1	Bank 2
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
18MB	(4) 4M x 9	(1) 256K x 36	(1) 256K 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
20MB	NONE	(1) 1M x 36	(1) 4M x 36
20MB	NONE	(1) 4M x 36	(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
21MB	(4) 1M x 9	(1) 256K x 36	(1) 4M x 36
21MB	(4) 1M x 9	(1) 4M x 36	(1) 256K x 36
21MB	(4) 4M x 9	(1) 256K x 36	(1) 1M x 36
21MB	(4) 4M x 9	(1) 1M x 36	(1) 256K 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
24MB	(4) 4M x 9	(1) 1M 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
33MB	(4) 256K x 9	(1) 4M x 36	(1) 4M x 36
33MB	(4) 4M x 9	(1) 256K x 36	(1) 4M x 36
33MB	(4) 4M x 9	(1) 4M x 36	(1) 256K x 36
36MB	(4) 1M x 9	(1) 4M x 36	(1) 4M x 36
36MB	(4) 4M x 9	(1) 1M x 36	(1) 4M x 36
36MB	(4) 4M x 9	(1) 4M x 36	(1) 1M x 36
48MB	(4) 4M x 9	(1) 4M x 36	(1) 4M x 36
64MB	(4) 16M x 9	NONE	NONE
65MB	(4) 16M x 9	(1) 256K x 36	NONE
65MB	(4) 16M x 9	NONE	(1) 256K x 36
66MB	(4) 16M x 9	(1) 256K x 36	(1) 256K x 36
68MB	(4) 16M x 9	(1) 1M x 36	NONE
68MB	(4) 16M x 9	NONE	(1) 1M x 36
69MB	(4) 16M x 9	(1) 256K x 36	(1) 4M x 36
69MB	(4) 16M x 9	(1) 1M x 36	(1) 256K x 36
72MB	(4) 16M x 9	(1) 1M x 36	(1) 1M x 36
80MB	(4) 16M x 9	(1) 4M x 36	NONE
80MB	(4) 16M x 9	NONE	(1) 4M x 36
81MB	(4) 16M x 9	(1) 256K x 36	(1) 4M x 36
81MB	(4) 16M x 9	(1) 4M x 36	(1) 256K x 36
84MB	(4) 16M x 9	(1) 1M x 36	(1) 4M x 36
84MB	(4) 16M x 9	(1) 4M x 36	(1) 1M x 36
96MB	(4) 16M x 9	(1) 4M x 36	(1) 4M x 36

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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) 32K x 8

CACHE JUMPER CONFIGURATION			
Size	JS1	JS2	JS3
64KB	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed
128KB	pins 1 & 2 closed	pins 2 & 3 closed	pins 2 & 3 closed
256KB	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed

CPU TYPE CONFIGURATION						
CPU Type	JC1	JC2	JC3	JC4	JC5	JC7
80486SX	2 & 3	2 & 3	Open	Open	Closed	1 & 2
80486SX (SL)	2 & 3	2 & 3	Open	Open	Closed	1 & 2
Cx486S	2 & 3	2 & 3	Closed	Open	Open	1 & 2
Cx487S	1 & 2	1 & 2	Closed	Open	Open	1 & 2
Cx486DX	1 & 2	1 & 2	Closed	Open	Open	1 & 2
80486DX	1 & 2	1 & 2	Closed	Open	Closed	1 & 2
80486DX (SL)	1 & 2	1 & 2	Closed	Open	Closed	1 & 2
80486DX2	1 & 2	1 & 2	Closed	Open	Closed	1 & 2
80486DX2 (SL)	1 & 2	1 & 2	Closed	Open	Closed	1 & 2
Overdrive	1 & 2	1 & 2	Open	Closed	Open	2 & 3

Note: Pins designated are in the closed position.

CPU TYPE CONFIGURATION (continued)			
CPU Type	RN21	RN22	RN23
80486SX	Not installed	Not installed	Not installed
80486SX (SL)	Not installed	Installed	Not installed
80486SX (SL) (PQFP)	Installed	Not installed	Not installed
Cx486S	Not installed	Not installed	Installed
Cx486S (PQFP)	Installed	Not installed	Not installed
Cx487S	Not installed	Not installed	Installed
Cx486DX	Not installed	Not installed	Installed
80486DX	Not installed	Not installed	Not installed
80486DX (SL)	Not installed	Installed	Not installed
80486DX (SL) (PQFP)	Installed	Not installed	Not installed
80486DX2	Not installed	Not installed	Not installed
80486DX2 (SL)	Not installed	Installed	Not installed

CPU TYPE CONFIGURATION (continued)		
CPU Type	JCX1	JCX2
Cx486S	Closed	pins 2 & 3 closed
All others	Open	pins 1 & 2 closed

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VESA WAIT STATE CONFIGURATION			
CPU speed	Wait states	JV2	JV3
> 33MHz	0 wait states	pins 1 & 2 closed	pins 1 & 2 closed
< 33MHz	1 wait state	pins 2 & 3 closed	pins 2 & 3 closed

KEYBOARD CONTROLLER CONFIGURATION		
Type	JX3	JX4
External KBC	pins 1 & 2 closed	pins 1 & 2 closed
Internal KBC with PS/2 mouse	pins 2 & 3 closed	pins 2 & 3 closed
Internal KBC w/o PS/2 mouse	pins 2 & 3 closed	pins 1 & 2 closed
Illegal	pins 1 & 2 closed	pins 2 & 3 closed

KEYBOARD CONFIGURATION			
Jumper	External KBC	Internal KBC	
JKB 1	pins 1 & 2	1 1 & 2 (default)	2 & 3 Award Clear
JKB 2	pins 1 & 2	1 1 & 2 (default)	2 & 3 AMI Clear
JKB 3	pins 1 & 2	1 1 & 2 VGA/Mono	2 & 3 CGA

Note: Pins designated are in the closed position.

IDE SPEED CONFIGURATION (PDC 20230 only)		
IDE type	J5	J6
Speed 2	pins 1 & 2 closed	pins 1 & 2 closed
Speed 1	pins 1 & 2 closed	pins 2 & 3 closed
Speed 0	pins 2 & 3 closed	pins 2 & 3 closed

SERIAL PORT 1 CONFIGURATION		
Port 1	JA	JB
3F8h	pins 1 & 2 closed	pins 1 & 2 closed
2E8h	pins 2 & 3 closed	pins 2 & 3 closed
3E8h	pins 1 & 2 closed	pins 2 & 3 closed
Disable	pins 1 & 2 closed	pins 1 & 2 closed

SERIAL PORT 2 CONFIGURATION		
Port 2	JC	JD
2F8h	pins 2 & 3 closed	pins 1 & 2 closed
3E8h	pins 2 & 3 closed	pins 2 & 3 closed
2E8h	pins 1 & 2 closed	pins 2 & 3 closed
Disable	pins 1 & 2 closed	pins 1 & 2 closed

PARALLEL PORT CONFIGURATION		
LPT 1	JE	JF
378	pins 1 & 2 closed	pins 2 & 3 closed
278	pins 2 & 3 closed	pins 1 & 2 closed
3BC	pins 2 & 3 closed	pins 2 & 3 closed
Disable	pins 1 & 2 closed	pins 1 & 2 closed

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CPU CLOCK CONFIGURATION (IMI425)				
Clock	JK1	JK2	JK3	JK4
40MHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 2 & 3 closed
50MHz	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 2 & 3 closed
80MHz	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed
66MHz	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed
66MHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed
25MHz	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed
40MHz	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
50MHz	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
33MHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed

CPU CLOCK CONFIGURATION (VT8225N)				
Clock	JK1	JK2	JK3	JK4
16MHz	pins 2 & 3 closed	pins 2 & 3 closed	pins 2 & 3 closed	pins 2 & 3 closed
8MHz	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed
40MHz	pins 1 & 2 closed	pins 2 & 3 closed	pins 2 & 3 closed	pins 2 & 3 closed
20MHz	pins 1 & 2 closed	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed
50MHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 2 & 3 closed
25MHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed
80MHz	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 2 & 3 closed
40MHz	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed
66MHz	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed
33MHz	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
100MHz	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed
50MHz	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
8MHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed
4MHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed
4MHz	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed
2MHz	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed