

FIRST INTERNATIONAL COMPUTER, INC.

486-GIO-VT2

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CONNECTIONS			
Purpose	Location	Purpose	Location
PS/2 mouse interface	CN1	Turbo switch	J12
Game interface	CN2	Turbo LED	J13
PS/2 mouse port	CN4	Reset switch	J14
Serial port 2	CN7	Speaker	J15
Serial port 1	CN8	Power LED & keylock	J16
Floppy drive interface	CN9	Green PC connector	J17
Parallel port	CN10	Green PC connector	J23
IDE interface (primary)	CN11	Green PC connector	J24
IDE interface (secondary)	CN12	IDE interface LED (secondary)	J25
External battery	J1	32-bit VESA local bus slots	SL1 & SL2
IDE interface LED (primary)	J8		

USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Monitor type select monochrome/EGA/VGA	J2	Open
Monitor type select color	J2	Closed
í Battery type select internal	J3	pins 2 & 3 closed
Battery type select external	J3	pins 1 & 2 closed
í VESA IDE interface enabled	J4	pins 1 & 2 closed
VESA IDE interface disabled	J4	pins 2 & 3 closed
í CMOS memory normal operation	J7	Open
CMOS memory clear	J7	Closed
í Local HDD_BALE disabled	J9	Open
Local HDD_BALE enabled	J9	Closed
í Local HDD_IOCHRDY disabled	J10	Open
Local HDD_IOCHRDY enabled	J10	Closed
í ISA HDD_BALE disabled	J26	Open
ISA HDD_BALE enabled	J26	Closed
í ISA HDD_IOCHRDY disabled	J27	Open
ISA HDD_IOCHRDY enabled	J27	Closed
í AM486DXL2 speed select 2x	J30	Closed
AM486DXL2 speed select 3x	J30	Open
í Game port enabled	J31	Closed
Game port disabled	J31	Open
í CPU type select Intel SL and all others	JCX2	pins 1 & 2 closed
CX486S/DX P24D	JCX2	pins 2 & 3 closed
í Factory configured - do not alter	JP1	pins 2 & 3 closed
í Factory configured - do not alter	JP2	pins 2 & 3 closed
í Cache type select write through	JT1	Open
Cache type select write back	JT1	Closed
í Factory configured - do not alter	JW1	N/A
í Factory configured - do not alter	JW2	N/A
í Factory configured - do not alter	JX1	pins 2 & 3 closed
í IDE interface enabled	JG	pins 2 & 3 closed

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USER CONFIGURABLE SETTINGS (CON'T)		
Function	Jumper	Position
IDE interface disabled	JG	pins 1 & 2 closed
í Floppy drive interface enabled	JH	pins 2 & 3 closed
Floppy drive interface disabled	JH	pins 1 & 2 closed
í Parallel port unidirectional (printer)	JI	Closed
Parallel port bidirectional	JI	Open

Note: The location of jumpers JP1, JP2 & JX1 are 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
3MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	NONE
4MB	(1) 256K x 36			
4MB	(1) 1M x 36	NONE	NONE	NONE
5MB	(1) 1M x 36	(1) 256K x 36	NONE	NONE
6MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	NONE
7MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
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	NONE	(1) 1M x 36	(1) 2M x 36	NONE
12MB	NONE	NONE	(1) 1M x 36	(1) 2M x 36
16MB	(1) 1M x 36			
16MB	(1) 4M x 36	NONE	NONE	NONE
16MB	NONE	(1) 1M x 36	(1) 2M x 36	(1) 1M x 36
16MB	NONE	NONE	(1) 2M x 36	(1) 2M x 36
17MB	(1) 4M x 36	(1) 256K x 36	NONE	NONE
18MB	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36	NONE
19MB	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
20MB	(1) 4M x 36	(1) 1M x 36	NONE	NONE
21MB	(1) 4M x 36	(1) 1M x 36	(1) 256K x 36	NONE
22MB	(1) 4M x 36	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36
24MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	NONE
28MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
32MB	(1) 4M x 36	(1) 4M x 36	NONE	NONE
32MB	NONE	NONE	(1) 8M x 36	NONE
33MB	(1) 4M x 36	(1) 4M x 36	(1) 256K x 36	NONE
34MB	(1) 4M x 36	(1) 4M x 36	(1) 256K x 36	(1) 256K 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) 1M x 36	(1) 1M x 36
48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	NONE
48MB	NONE	(1) 4M x 36	(1) 8M x 36	NONE
48MB	NONE	NONE	(1) 4M x 36	(1) 8M x 36
64MB	(1) 4M x 36			
64MB	NONE	(1) 4M x 36	(1) 8M x 36	(1) 4M x 36
64MB	NONE	NONE	(1) 8M x 36	(1) 8M 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				
Type	JC1	JC2	JC3	JC4
CX486S	pins 2 & 3 closed	pins 2 & 3 closed	Open	pins 1 & 2 closed
80486SX	pins 2 & 3 closed	pins 2 & 3 closed	Open	pins 1 & 2 closed
CX486DX	pins 1 & 2 closed	pins 1 & 2 closed	Open	pins 1 & 2 closed
AM486DX	pins 1 & 2 closed	pins 1 & 2 closed	Open	pins 1 & 2 closed
80486DX	pins 1 & 2 closed	pins 1 & 2 closed	Open	pins 1 & 2 closed
80486DX2	pins 1 & 2 closed	pins 1 & 2 closed	Open	pins 1 & 2 closed
P4S	pins 1 & 2 closed	pins 1 & 2 closed	Open	pins 1 & 2 closed
P23S	pins 2 & 3 closed	pins 2 & 3 closed	Open	pins 1 & 2 closed
P24C	pins 1 & 2 closed	pins 1 & 2 closed	Open	pins 1 & 2 closed
P24CT	pins 1 & 2 closed	pins 1 & 2 closed	Closed	pins 2 & 3 closed
P24D	pins 1 & 2 closed	pins 1 & 2 closed	Open	pins 2 & 3 closed
P24S	pins 1 & 2 closed	pins 1 & 2 closed	Open	pins 1 & 2 closed
Pentium Overdrive	pins 1 & 2 closed	pins 1 & 2 closed	Closed	pins 2 & 3 closed

CPU TYPE CONFIGURATION					
Type	RN20	RN21	RN22	JC5	JC6
CX486S	Not installed	Installed	Installed	Open	Open
80486SX	Not installed	Not installed	Not installed	Open	Open
CX486DX	Not installed	Installed	Installed	Open	Open
80486DX	Not installed	Not installed	Not installed	Open	Open
AM486DXL	Installed	Not installed	Not installed	Open	Open
80486DX2	Not installed	Not installed	Not installed	Open	Open
P4S	Not installed	Not installed	Not installed	Closed	Closed
P23S	Not installed	Not installed	Not installed	Closed	Closed
P24C	Not installed	Installed	Not installed	Closed	Closed
P24CT	Not installed	Installed	Not installed	Closed	Closed
P24D	Not installed	Installed	Not installed	Closed	Closed
P24S	Not installed	Not installed	Not installed	Closed	Closed
P24T	Not installed	Not installed	Not installed	Closed	Closed

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CPU SPEED CONFIGURATION				
Speed	JK1	JK2	JK3	JK4
25MHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed
33MHz	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
40MHz	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed
50iMHz	pins 2 & 3 closed	pins 1 & 2 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
66iMHz	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
75iMHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed
100iMHz	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed

CPU SPEED CONFIGURATION (80486DX4 ONLY)	
Speed	J20
3x	Open
2x	pins 1 & 2 closed
2.5x	pins 2 & 3 closed

CPU VOLTAGE CONFIGURATION	
Setting	PS1
3.3v	Installed
5v	pins 1 & 2, 3 & 4, 13 & 14, 15 & 16 closed

VESA WAIT STATE CONFIGURATION	
Wait states	JV3
0 wait states	pins 2 & 3 closed
1 wait state	pins 1 & 2 closed

BUS SPEED CONFIGURATION	
CPU speed	JV2
<= 33MHz	pins 2 & 3 closed
> 33MHz	pins 1 & 2 closed

PARALLEL PORT CONFIGURATION		
Setting	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
Disabled	pins 1 & 2 closed	pins 1 & 2 closed

PRINTER CONFIGURATION		
Type	JW3	JW4
Printer	pins 2 & 3 closed	pins 2 & 3 closed
EPP/SPP	pins 2 & 3 closed	pins 1 & 2 closed
EPP/ECP	pins 1 & 2 closed	pins 2 & 3 closed
EXT2FDD	pins 1 & 2 closed	pins 1 & 2 closed

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SERIAL PORT 1 CONFIGURATION		
Setting	JA	JB
3F8	pins 2 & 3 closed	pins 1 & 2 closed
2E8	pins 2 & 3 closed	pins 2 & 3 closed
3E8	pins 1 & 2 closed	pins 2 & 3 closed
Disabled	pins 1 & 2 closed	pins 1 & 2 closed

SERIAL PORT 2 CONFIGURATION		
Setting	JC	JD
2F8	pins 2 & 3 closed	pins 1 & 2 closed
2E8	pins 1 & 2 closed	pins 2 & 3 closed
3E8	pins 2 & 3 closed	pins 2 & 3 closed
Disabled	pins 1 & 2 closed	pins 1 & 2 closed

DMA CONFIGURATION		
DMA	JW5	JW6
1	pins 1 & 2 closed	pins 1 & 2 closed
3	pins 2 & 3 closed	pins 2 & 3 closed

IDE SPEED CONFIGURATION		
Speed	J5	J6
1	pins 1 & 2 closed	pins 2 & 3 closed
0	pins 2 & 3 closed	pins 2 & 3 closed
2	pins 1 & 2 closed	pins 1 & 2 closed