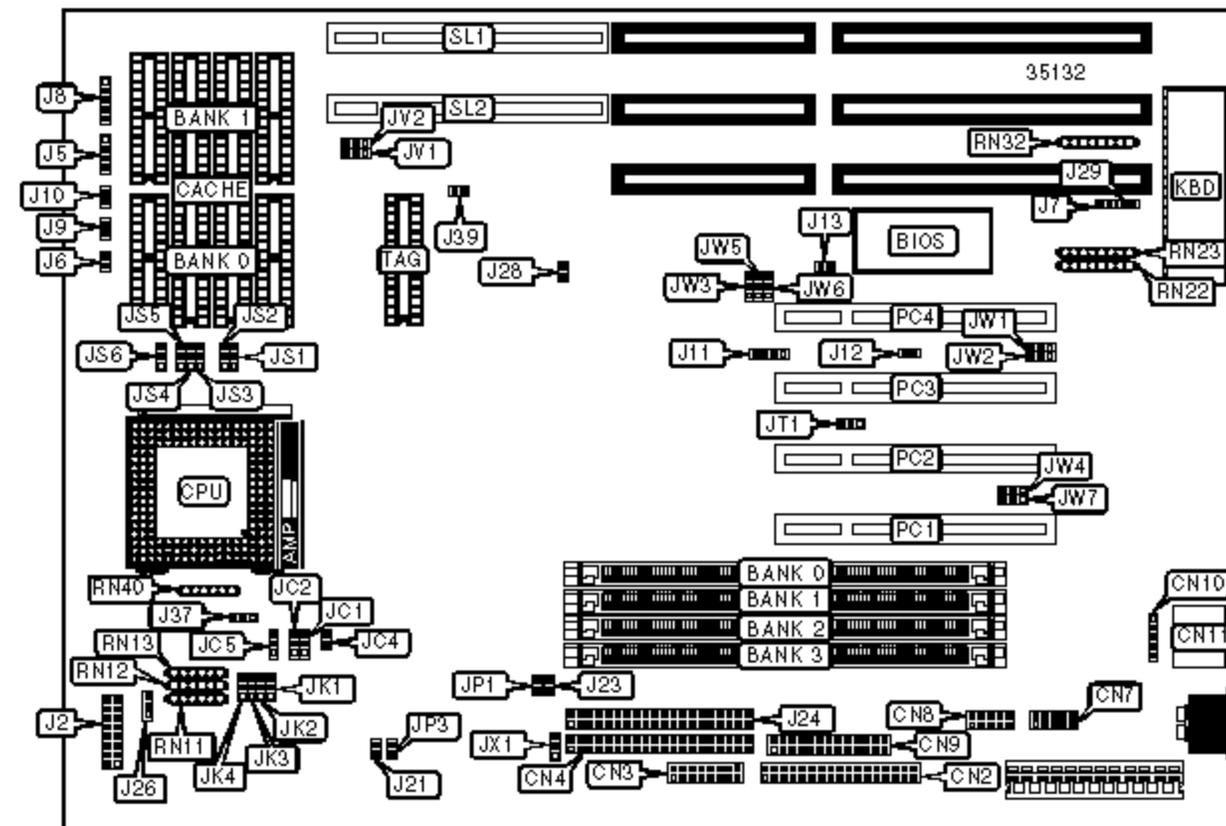


FIRST INTERNATIONAL COMPUTER, INC.

486-VIP-IO2 (VER. 2)

Processor	CX486S/80486SX/SL80486SX/AM486DX/CX486DX/SL80486DX/AM486DX2/ AM486DXL2/80486DX2/AM486DXL4/AM486DX4/80486DX4/P24C/P24D/ P24S/Pentium Overdrive
Processor Speed	25/33/40/50(internal)/50/66(internal)/75(internal)/100(internal)MHz
Chip Set	VIA
Max. Onboard DRAM	128MB
Cache	128/256/512/1024KB
BIOS	Award
Dimensions	330mm x 218mm
I/O Options	32-bit VESA local bus slots (2), 32-bit PCI slots (4), floppy drive interface, game port, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, PS/2 mouse interface, serial ports (2)
NPU Options	None



CONNECTIONS

Purpose	Location	Purpose	Location
Floppy drive interface	CN2	Turbo switch	J9
Game port	CN3	Turbo LED	J10
IDE interface (secondary)	CN4	External battery	J11
Serial port 1	CN7	Green PC LED	J12
Serial port 2	CN8	Green PC connector	J13
Parallel port	CN9	IDE interface LED	J21
PS/2 mouse interface	CN10	IDE interface (primary)	J24

PS/2 mouse port	CN11	Chassis fan power	J26
Daughter board connector	J2	Green PC connector	J39
Speaker	J5	32-bit PCI slots	PC1 - PC4
Reset switch	J6	32-bit VESA local bus slots	SL1 & SL2
Power LED & keylock	J8		

USER CONFIGURABLE SETTINGS

Function		Jumper	Position
»	CMOS memory normal operation	J7	Open
	CMOS memory clear	J7	Closed
»	Monitor type select monochrome/EGA/VGA	J29	Open
	Monitor type select CGA	J29	Closed
»	CPU type select all types	J37	Pins 1 & 2 closed
	CPU type select Cyrix only	J37	Pins 2 & 3 closed
»	P24T/P24D cache type select write through	JC4	Open
	P24T/P24D cache type select write back	JC4	Closed
»	AMD CPU type select DX2	JC5	Pins 2 & 3 closed
	AMD CPU type select DX4	JC5	Pins 1 & 2 closed
»	IDE interface pin 27 open	JP3	Open
	IDE interface pin 27 linked to IOCHRDY signal	JP3	Closed
»	Game port enabled	JW7	Pins 2 & 3 closed
	Game port disabled	JW7	Pins 1 & 2 closed

DRAM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(1) 256K x 36	None	None	None
1MB	None	(1) 256K x 36	None	None
1MB	None	None	(1) 256K x 36	None
2MB	(1) 256K x 36	(1) 256K x 36	None	None

2MB	(1) 256K x 36	None	(1) 256K x 36	None
2MB	None	None	(1) 256K x 36	(1) 256K x 36
2MB	None	(1) 256K x 36	(1) 256K x 36	None
3MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	None
3MB	None	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
3MB	(1) 256K x 36	None	(1) 256K x 36	(1) 256K x 36
4MB	(1) 1M x 36	None	None	None
4MB	None	(1) 1M x 36	None	None
4MB	None	None	(1) 1M x 36	None
4MB	(1) 256K x 36			
5MB	(1) 256K x 36	(1) 1M x 36	None	None
5MB	(1) 256K x 36	None	(1) 1M x 36	None
5MB	(1) 1M x 36	(1) 256K x 36	None	None
5MB	(1) 1M x 36	None	(1) 256K x 36	None
5MB	None	(1) 256K x 36	(1) 1M x 36	None
5MB	None	(1) 1M x 36	(1) 256K x 36	None
6MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36	None
6MB	(1) 256K x 36	(1) 1M x 36	(1) 256K x 36	None
6MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	None
6MB	None	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36
6MB	(1) 1M x 36	None	(1) 256K x 36	(1) 256K x 36
7MB	(1) 256K x 36	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36
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
8MB	(1) 1M x 36	None	(1) 1M x 36	None
8MB	None	None	(1) 1M x 36	(1) 1M x 36
9MB	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36	None
9MB	(1) 1M x 36	(1) 256K x 36	(1) 1M x 36	None
9MB	(1) 1M x 36	(1) 1M x 36	(1) 256K x 36	None
9MB	None	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36
9MB	(1) 256K x 36	None	(1) 1M x 36	(1) 1M x 36
10MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36

10MB	(1) 1M x 36	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	None
12MB	None	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
12MB	(1) 1M x 36	None	(1) 1M x 36	(1) 1M x 36
13MB	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
13MB	(1) 1M x 36	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36
16MB	None	(1) 4M x 36	None	None
16MB	None	None	(1) 4M x 36	None
16MB	(1) 1M x 36			
17MB	(1) 256K x 36	None	(1) 4M x 36	None
17MB	None	(1) 256K x 36	(1) 4M x 36	None
17MB	None	(1) 4M x 36	(1) 256K x 36	None
18MB	(1) 256K x 36	(1) 256K x 36	(1) 4M x 36	None
18MB	(1) 256K x 36	(1) 4M x 36	(1) 256K x 36	None
18MB	None	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36
19MB	(1) 256K x 36	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36
20MB	(1) 1M x 36	(1) 4M x 36	None	None
20MB	(1) 1M x 36	None	(1) 4M x 36	None
20MB	None	(1) 1M x 36	(1) 4M x 36	None
20MB	None	(1) 4M x 36	(1) 1M x 36	None
21MB	(1) 256K x 36	(1) 1M x 36	(1) 4M x 36	None
21MB	(1) 256K x 36	(1) 4M x 36	(1) 1M x 36	None
21MB	(1) 1M x 36	(1) 256K x 36	(1) 4M x 36	None
21MB	(1) 1M x 36	(1) 4M x 36	(1) 256K x 36	None
22MB	(1) 1M x 36	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36
24MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	None
24MB	(1) 1M x 36	(1) 4M x 36	(1) 1M x 36	None
24MB	None	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36
25MB	(1) 256K x 36	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36
28MB	(1) 1M x 36	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36
32MB	None	None	(1) 4M x 36	(1) 4M x 36
32MB	(1) 8M x 36	None	None	None

32MB	None	(1) 8M x 36	None	None
32MB	None	(1) 4M x 36	(1) 4M x 36	None
33MB	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36	None
33MB	None	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36
33MB	(1) 256K x 36	None	(1) 4M x 36	(1) 4M x 36
34MB	(1) 256K x 36	(1) 256K 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	None	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36
36MB	(1) 1M x 36	None	(1) 4M x 36	(1) 4M x 36
37MB	(1) 256K x 36	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36
37MB	(1) 1M x 36	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36
40MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36
48MB	None	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
49MB	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
52MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
64MB	None	(1) 8M x 36	(1) 8M x 36	None
65MB	(1) 256K x 36	(1) 8M x 36	(1) 8M x 36	None
66MB	(1) 256K x 36	(1) 256K x 36	(1) 8M x 36	(1) 8M x 36
66MB	(1) 256K x 36	(1) 8M x 36	(1) 256K x 36	(1) 8M x 36
66MB	(1) 8M x 36	(1) 8M x 36	(1) 256K x 36	(1) 256K x 36
68MB	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36	None
68MB	(1) 1M x 36	(1) 8M x 36	None	(1) 8M x 36
68MB	None	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36
68MB	(1) 8M x 36	(1) 8M x 36	(1) 1M x 36	None
69MB	(1) 256K x 36	(1) 8M x 36	(1) 1M x 36	(1) 8M x 36
69MB	(1) 1M x 36	(1) 256K x 36	(1) 8M x 36	(1) 8M x 36
69MB	(1) 1M x 36	(1) 8M x 36	(1) 256K x 36	(1) 8M x 36
72MB	(1) 1M x 36	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36
72MB	(1) 1M x 36	(1) 8M x 36	(1) 1M x 36	(1) 8M x 36
72MB	(1) 8M x 36	(1) 8M x 36	(1) 1M x 36	(1) 1M x 36
80MB	(1) 8M x 36	(1) 4M x 36	(1) 8M x 36	None
80MB	(1) 8M x 36	(1) 8M x 36	(1) 4M x 36	None

81MB	(1) 256K x 36	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36
81MB	(1) 256K x 36	(1) 8M x 36	(1) 4M x 36	(1) 8M x 36
84MB	(1) 1M x 36	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36
84MB	(1) 1M x 36	(1) 8M x 36	(1) 4M x 36	(1) 8M x 36
96MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	None
97MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	(1) 256K x 36
128MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36

CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
128KB	(4) 32K x 8	NONE	(1) 8K x 8 or (1) 32K x 8
256KB	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8
256KB	(4) 64K x 8	NONE	(1) 32K x 8
512KB	(4) 128K x 8	NONE	(1) 32K x 8
512KB	(4) 64K x 8	(4) 64K x 8	(1) 32K x 8 or (1) 64K x 8
1MB	(4) 128K x 8	(4) 128K x 8	(1) 64K x 8 or (1) 128K x 8

CACHE JUMPER CONFIGURATION						
Size	JS1	JS2	JS3	JS4	JS5	JS6
128KB	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
256KB	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
512KB	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
1MB	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU TYPE CONFIGURATION		
Type	JC1	JC2
CX486S	Pins 2 & 3 closed	Pins 2 & 3 closed
80486SX	Pins 2 & 3 closed	Pins 2 & 3 closed

CX486DX	Pins 1 & 2 closed	Pins 1 & 2 closed
SL80486DX	Pins 1 & 2 closed	Pins 1 & 2 closed
AM486DXL2	Pins 1 & 2 closed	Pins 1 & 2 closed
AM486DX2	Pins 1 & 2 closed	Pins 1 & 2 closed
SL80486DX2	Pins 1 & 2 closed	Pins 1 & 2 closed
AM486DXL4	Pins 1 & 2 closed	Pins 1 & 2 closed
AM486DX4	Pins 1 & 2 closed	Pins 1 & 2 closed
80486DX4	Pins 1 & 2 closed	Pins 1 & 2 closed
P24D	Pins 1 & 2 closed	Pins 1 & 2 closed
P24S	Pins 1 & 2 closed	Pins 1 & 2 closed
Pentium Overdrive	Pins 1 & 2 closed	Pins 1 & 2 closed

CPU TYPE CONFIGURATION				
Type	RN11	RN12	RN13	RN40
CX486S	Not installed	Installed	Not installed	Not installed
SL80486SX	Not installed	Not installed	Not installed	Installed
CX486DX	Not installed	Installed	Not installed	Not installed
AM486DX	Not installed	Not installed	Not installed	Installed
SL80486DX	Not installed	Not installed	Not installed	Installed
AM486DX2	Not installed	Not installed	Not installed	Installed
AM486DXL2	Not installed	Not installed	Installed	Not installed
SL80486DX2	Not installed	Not installed	Not installed	Installed
AM486DXL4	Not installed	Not installed	Installed	Not installed
AM486DX4	Not installed	Not installed	Not installed	Installed
80486DX4	Not installed	Not installed	Not installed	Installed
P24C	Installed	Not installed	Not installed	Installed
P24D	Installed	Not installed	Not installed	Installed
P24S	Not installed	Not installed	Not installed	Installed
Pentium Overdrive	Installed	Not installed	Not installed	Installed

CPU PCI CLOCK CONFIGURATION

Type	J28	JT1
PCICLK = CPUCLK	Pins 1 & 2 closed	Pins 1 & 2 closed
PCICLK = CPUCLK/2	Pins 2 & 3 closed	Pins 2 & 3 closed

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

VESA WAIT STATE CONFIGURATION	
Wait states	JV1
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

IDE CONFIGURATION		
Setting	J23	JP1
IDE interface pin 28 open	Open	Open
IDE interface pin 28 linked to BALE signal	Closed	Closed

KEYBOARD CONFIGURATION

Type	JX1	RN22	RN23	RN32
Internal	pins 1 & 2 closed	Installed	Not installed	Not installed
External	pins 2 & 3 closed	Not installed	Installed	Installed

PARALLEL PORT CONFIGURATION

Setting	JW3	JW4
Print	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

PRINTER DMA MODE CONFIGURATION

DMA	JW5	JW6
DMA 1	Pins 1 & 2 closed	Pins 1 & 2 closed
DMA 3	Pins 2 & 3 closed	Pins 2 & 3 closed

WINBOND CHIP CONFIGURATION

Type	JW1	JW2
W757AF/767F	Pins 1 & 2 closed	Pins 1 & 2 closed
W777AF/787F	Pins 2 & 3 closed	Pins 2 & 3 closed