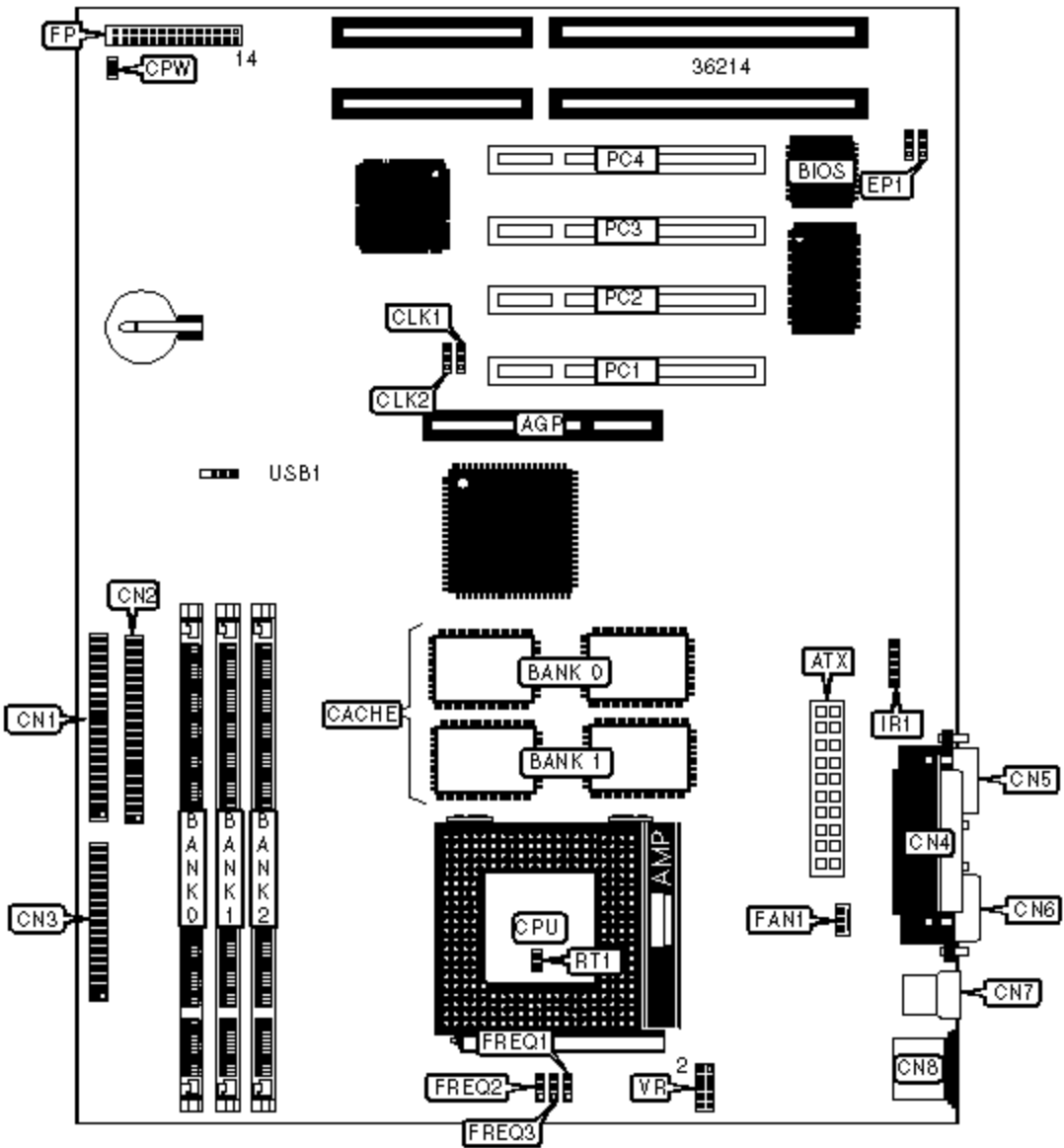


FIRST INTERNATIONAL COMPUTER, INC.

PA-2012

Processor	CX 6x86L/IBM 6x86L/CX 686MX/IBM 6x86MX/AM K6/AM K6-2/Pentium
Processor Speed	90/100/120/133/150/166/180/200/233MHz
Chip Set	VIA
Maximum Onboard Memory	768MB (EDO & SDRAM supported)
Cache	512/1024KB
BIOS	AMI
Dimensions	305mm x 244mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connectors (2), ATX power connector, AGP slot
NPU Options	None



CONNECTIONS

Purpose	Location	Purpose	Location
	AGP		FP/pins 1 - 5

AGP slot	AGP	Power LED & keylock	FP/pins 1 - 5
ATX power connector	ATX	Turbo LED	FP/pins 7 & 8
Chassis alarm connector	CHS	Green PC connector	FP/pins 10 & 11
IDE interface 1	CN1	Green PC LED	FP/pins 13 & 14
IDE interface 2	CN2	Speaker	FP/pins 15 - 18
Floppy drive interface	CN3	IDE interface LED	FP/pins 20 & 21
Parallel port	CN4	Remote power connector	FP/pins 23 & 24
Serial port 2	CN5	Reset switch	FP/pins 27 & 28
Serial port 1	CN6	IR connector	IR1
USB connector	CN7	32-bit PCI slots	PC1 – PC4
PS/2 mouse port	CN8	CPU thermistor	RT1
CPU fan power	FAN1	USB connector	USB1
Chassis fan power	FAN2		

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	Password disabled	CPW	Open
	Password enabled	CPW	Closed

Note: J4 and J5 select USB options. Further information is unavailable.

DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2
8MB	(1) 1M x 64	None	None
16MB	(1) 2M x 64	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None	None
32MB	(1) 2M x 64	(1) 2M x 64	None

40MB	(1) 4M x 64	(1) 1M x 64	None
48MB	(1) 4M x 64	(1) 2M x 64	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 4M x 64	None
72MB	(1) 8M x 64	(1) 1M x 64	None
80MB	(1) 8M x 64	(1) 2M x 64	None
96MB	(1) 8M x 64	(1) 4M x 64	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 8M x 64	None
136MB	(1) 16M x 64	(1) 1M x 64	None
144MB	(1) 16M x 64	(1) 2M x 64	None
160MB	(1) 16M x 64	(1) 4M x 64	None
192MB	(1) 16M x 64	(1) 8M x 64	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
256MB	(1) 32M x 64	None	None
256MB	(1) 16M x 64	(1) 16M x 64	None
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64
Note: Board accepts EDO & SDRAM memory.			

CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
512KB	(2) 64K x 32	None	(1) 16K/32K x 8
1MB	(2) 64K x 32	(2) 64K x 32	(1) 32K x 8

CPU SPEED SELECTION (CX M1)							
CPU speed	Clock speed	Multiplier	CLK1	CLK2	FREQ1	FREQ2	FREQ3
133MHz	55MHz	2x	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2

150MHz	60MHz	2x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2
166MHz	66MHz	2x	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2
Note: Pins designated should be in the closed position.							

CPU SPEED SELECTION (CX M2)							
CPU speed	Clock speed	Multiplier	CLK1	CLK2	FREQ1	FREQ2	FREQ3
150MHz	60MHz	2.5x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
166MHz	66MHz	2.5x	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
180MHz	75MHz	2.5x	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
225MHz	75MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
Note: Pins designated should be in the closed position.							

CPU SPEED SELECTION (IBM M1)							
CPU speed	Clock speed	Multiplier	CLK1	CLK2	FREQ1	FREQ2	FREQ3
133MHz	55MHz	2x	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2
150MHz	60MHz	2x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2
166MHz	66MHz	2x	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2
Note: Pins designated should be in the closed position.							

CPU SPEED SELECTION (IBM M2)							
CPU speed	Clock speed	Multiplier	CLK1	CLK2	FREQ1	FREQ2	FREQ3
150MHz	60MHz	2.5x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
166MHz	66MHz	2.5x	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
180MHz	75MHz	2.5x	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
225MHz	75MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
Note: Pins designated should be in the closed position.							

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	CLK1	CLK2	FREQ1	FREQ2	FREQ3
90MHz	60MHz	1.5x	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
100MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
120MHz	60MHz	1.5x	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
133MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
150MHz	60MHz	1.75x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
166MHz	66MHz	1.75x	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	66MHz	2x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	CLK1	CLK2	FREQ1	FREQ2	FREQ3
166MHz	66MHz	2.5x	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3.5	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	CLK1	CLK2	FREQ1	FREQ2	FREQ3
90MHz	60MHz	1.5x	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
100MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
120MHz	60MHz	2x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2
133MHz	66MHz	2x	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2
150MHz	60MHz	2.5x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
166MHz	66MHz	2.5x	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3.5	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION (SINGLE)

Voltage	VR
3.3v	Pins 3 & 4 closed
3.5v	Pins 1 & 2 closed

CPU VOLTAGE SELECTION (DUAL)

Voltage	V core	VR
2.8v	3.3v	Pins 9 & 10 closed
2.9v	3.3v	Pins 7 & 8 closed
3.2v	3.3v	Pins 5 & 6 closed

FLASH BIOS SELECTION

Type	EP1	EP2
AMD (1M)	Pins 1 & 2 closed	Pins 1 & 2 closed
ATMEL (1M)	Pins 1 & 2 closed	Pins 1 & 2 closed
Intel (1M)	Pins 2 & 3 closed	Pins 1 & 2 closed
MX (1M)	Pins 2 & 3 closed	Pins 1 & 2 closed
SST (1M)	Pins 1 & 2 closed	Pins 1 & 2 closed
AMD (2M)	Pins 1 & 2 closed	Pins 2 & 3 closed
ATMEL (2M)	Pins 1 & 2 closed	Pins 2 & 3 closed
Intel (2M)	Pins 2 & 3 closed	Pins 2 & 3 closed
MX (2M)	Pins 2 & 3 closed	Pins 2 & 3 closed
SST (2M)	Pins 1 & 2 closed	Pins 2 & 3 closed