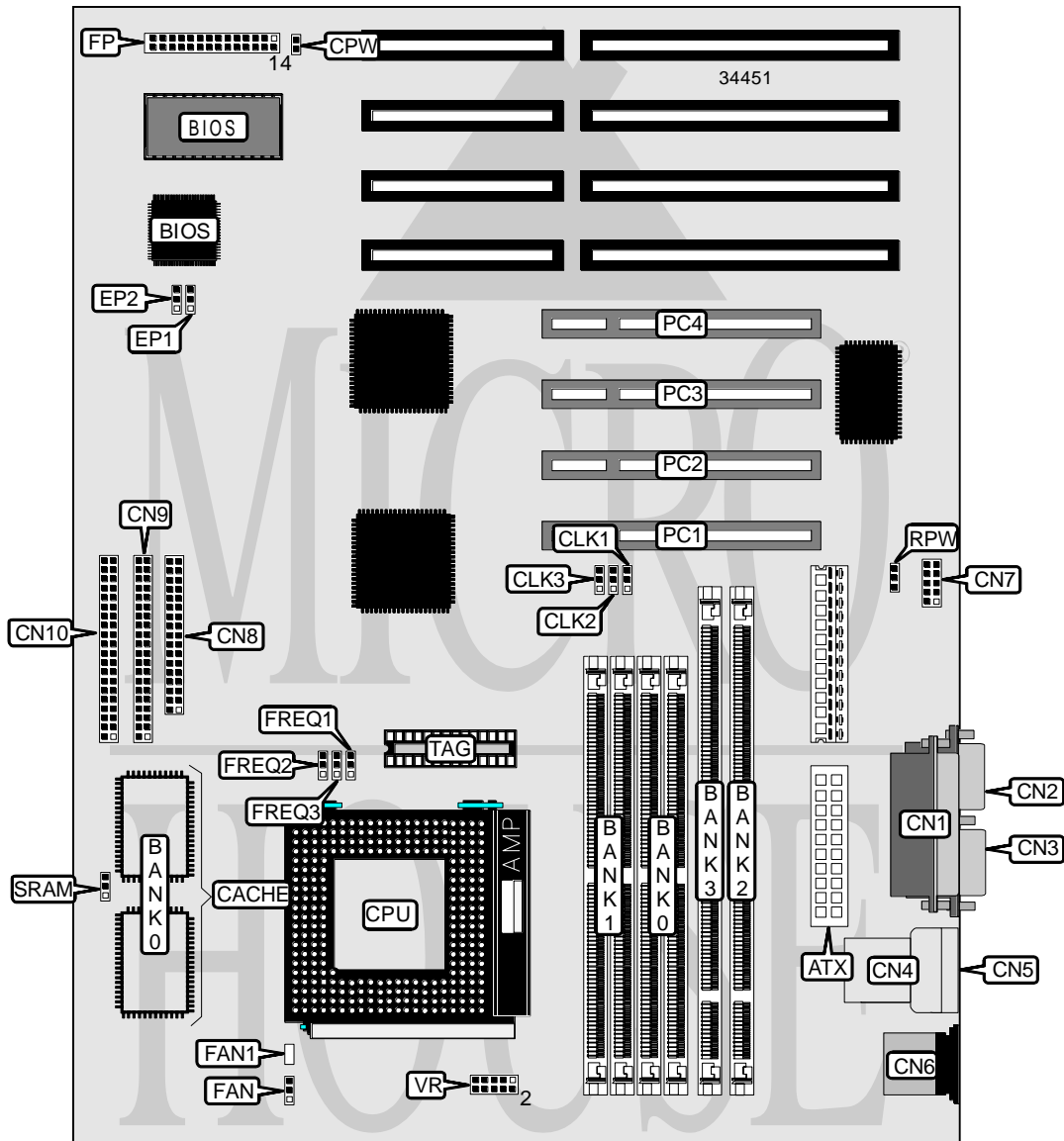


# FIRST INTERNATIONAL COMPUTER, INC.

## PA - 2011

<b>Processor</b>	CX M1/CX M2/IBM M1/IBM M2/AM K5/AM K6/Pentium
<b>Processor Speed</b>	90/100/120/133/150/166/180/225/200/233MHz
<b>Chip Set</b>	VIA
<b>Video Chip Set</b>	None
<b>Maximum Onboard Memory</b>	512MB (EDO supported)
<b>Maximum Video Memory</b>	None
<b>Cache</b>	256/512KB
<b>BIOS</b>	AMI
<b>Dimensions</b>	305mm x 244mm
<b>I/O Options</b>	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), IR connector, USB connectors (2), ATX power connector
<b>NPU Options</b>	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
ATX power connector	ATX	Chassis fan power	FAN1
Parallel port	CN1	Power LED & keylock	FP/pins 1 - 5
Serial port 2	CN2	Turbo LED	FP/pins 7 & 8
Serial port 1	CN3	Green PC connector	FP/pins 10 & 11
USB connector	CN4	Green PC LED	FP/pins 13 & 14
USB connector	CN5	Speaker	FP/pins 15 - 18
PS/2 mouse port	CN6	IDE interface LED	FP/pins 20 & 21
IR connector	CN7	Remote power connector	FP/pins 23 & 24
Floppy drive interface	CN8	Reset switch	FP/pins 27 & 28
IDE interface 1	CN9	32-bit PCI slots	PC1 – PC4
IDE interface 2	CN10	Remote power connector	RPW
CPU fan power	FAN		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
? Password disabled	CPW	Open
Password enabled	CPW	Closed

DRAM CONFIGURATION		
Size	Bank 0	Bank 1
8MB	(2) 1M x 36	None
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 4M x 36	(2) 2M x 36
64MB	(2) 8M x 36	None
64MB	(2) 4M x 36	(2) 4M x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 8M x 36	(2) 2M x 36
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36
128MB	(2) 16M x 36	None
136MB	(2) 16M x 36	(2) 1M x 36
144MB	(2) 16M x 36	(2) 2M x 36
160MB	(2) 16M x 36	(2) 4M x 36
192MB	(2) 16M x 36	(2) 8M x 36
256MB	(2) 16M x 36	(2) 16M x 36
256MB	(2) 32M x 36	None
264MB	(2) 32M x 36	(2) 1M x 36

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DRAM CONFIGURATION (CON'T)		
Size	Bank 0	Bank 1
272MB	(2) 32M x 36	(2) 2M x 36
288MB	(2) 32M x 36	(2) 4M x 36
320MB	(2) 32M x 36	(2) 8M x 36
384MB	(2) 32M x 36	(2) 16M x 36
512MB	(2) 32M x 36	(2) 32M x 36

Note: Board accepts EDO memory. Do not install DIMMs & SIMMs at the same time.

DIMM CONFIGURATION		
Size	Bank 0	Bank 1
8MB	(1) 1M x 64	None
16MB	(1) 2M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None
32MB	(1) 2M x 64	(1) 2M x 64
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None
64MB	(1) 4M x 64	(1) 4M x 64
72MB	(1) 8M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64

CACHE CONFIGURATION
Note: 512KB cache is factory installed and is not configurable. 256KB cache is available as an option from First International Computer, Inc.

CACHE JUMPER CONFIGURATION	
Type	SRAM
í Intel burst	Pins 1 & 2 closed
Linear burst	Pins 2 & 3 closed

CPU SPEED SELECTION (CX M1)								
CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
133MHz	55MHz	2x	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2
150MHz	60MHz	2x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
166MHz	66MHz	2x	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION (CX M2)								
CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
150MHz	60MHz	2.5x	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
166MHz	66MHz	2.5x	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
180MHz	75MHz	2.5x	1 & 2	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2
225MHz	75MHz	3x	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	2 & 3	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	CLK3	FREQ1	FREQ2	FREQ3
133MHz	55MHz	2x	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2
150MHz	60MHz	2x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
166MHz	66MHz	2x	1 & 2	1 & 2	2 & 3	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	CLK3	FREQ1	FREQ2	FREQ3
150MHz	60MHz	2.5x	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
166MHz	66MHz	2.5x	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
180MHz	75MHz	2.5x	1 & 2	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2
225MHz	75MHz	3x	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	2 & 3	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	CLK3	FREQ1	FREQ2	FREQ3
90MHz	60MHz	1.5x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
100MHz	66MHz	1.5x	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
120MHz	60MHz	1.5x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
133MHz	66MHz	1.5x	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
150MHz	60MHz	1.75x	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
166MHz	66MHz	1.75x	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
200MHz	66MHz	2x	1 & 2	1 & 2	2 & 3	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	CLK3	FREQ1	FREQ2	FREQ3
166MHz	66MHz	2.5x	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3.5	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION (INTEL)								
CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
90MHz	60MHz	1.5x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
100MHz	66MHz	1.5x	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
120MHz	60MHz	2x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
133MHz	66MHz	2x	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
150MHz	60MHz	2.5x	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
166MHz	66MHz	2.5x	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3.5	1 & 2	1 & 2	2 & 3	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
3.3v	2.8v	Pins 9 & 10 closed
3.3v	2.9v	Pins 7 & 8 closed
3.3v	3.2v	Pins 5 & 6 closed

1M FLASH BIOS SELECTION		
Type	EP1	EP2
AMD	Pins 1 & 2 closed	Pins 1 & 2 closed
ATMEL	Pins 1 & 2 closed	Pins 1 & 2 closed
Intel	Pins 2 & 3 closed	Pins 1 & 2 closed
MX	Pins 2 & 3 closed	Pins 1 & 2 closed
SST	Pins 1 & 2 closed	Pins 1 & 2 closed

2M FLASH BIOS SELECTION		
Type	EP1	EP2
AMD	Pins 1 & 2 closed	Pins 2 & 3 closed
ATMEL	Pins 1 & 2 closed	Pins 2 & 3 closed
Intel	Pins 2 & 3 closed	Pins 2 & 3 closed
MX	Pins 2 & 3 closed	Pins 2 & 3 closed
SST	Pins 1 & 2 closed	Pins 2 & 3 closed