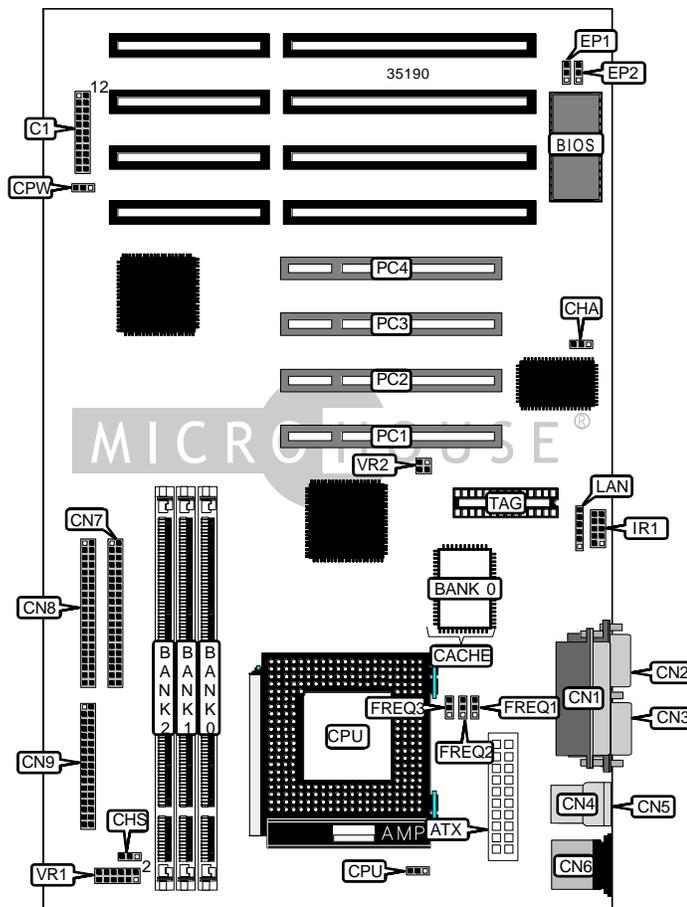


# FIRST INTERNATIONAL COMPUTER, INC.

## PT-2012

<b>Device Type</b>	Mainboard
<b>Processor</b>	CX 6X86/IBM 6X86/CX 6X86L/IBM 6X86L/CX 686MX/IBM 6X86MX/ AM K5/AM K6/Pentium
<b>Processor Speed</b>	90/100/120/133/150/166/200/233/266/300MHz
<b>Chip Set</b>	Intel
<b>Video Chip Set</b>	None
<b>Maximum Onboard Memory</b>	256MB (EDO & SDRAM supported)
<b>Maximum Video Memory</b>	None
<b>Cache</b>	512KB
<b>BIOS</b>	Award
<b>Dimensions</b>	305mm x 244mm
<b>I/O Options</b>	32-bit PCI slots (5), 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
<b>NPU Options</b>	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
ATX power connector	ATX	Serial port 2	CN2
Power LED & keylock	C1/pins 1 - 5	Serial port 1	CN3
Turbo LED	C1/pins 6 & 7	USB connector 1	CN4
Green PC connector	C1/pins 8 & 9	USB connector 2	CN5
Green PC LED	C1/pins 10 & 11	PS/2 mouse port	CN6
Speaker	C1/pins 12 - 15	IDE interface 2	CN7
IDE interface LED	C1/pins 16 & 17	IDE interface 1	CN8
Soft off power supply	C1/pins 18 & 19	Floppy drive interface	CN9
Reset switch	C1/pins 20 & 21	CPU fan power	CPU
Chassis intrusion alarm	CHA	IR connector	IR1
Chassis fan power	CHS	Wake on LAN connector	LAN
Parallel port	CN1	32-bit PCI slots	PC1 – PC5

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

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) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64	None
40MB	(1) 2M x 64	(1) 2M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
56MB	(1) 4M x 64	(1) 2M x 64	(1) 1M x 64
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64

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DIMM CONFIGURATION (CON'T)			
Size	Bank 0	Bank 1	Bank 2
64MB	(1) 4M x 64	(1) 4M x 64	None
72MB	(1) 8M x 64	(1) 1M x 64	None
72MB	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64	None
80MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64
88MB	(1) 8M x 64	(1) 2M x 64	(1) 1M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
104MB	(1) 8M x 64	(1) 4M x 64	(1) 1M x 64
112MB	(1) 8M x 64	(1) 4M x 64	(1) 2M x 64
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
136MB	(1) 16M x 64	(1) 1M x 64	None
136MB	(1) 8M x 64	(1) 8M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64	None
144MB	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64
152MB	(1) 16M x 64	(1) 2M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64	None
160MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64
168MB	(1) 16M x 64	(1) 4M x 64	(1) 1M x 64
176MB	(1) 16M x 64	(1) 4M x 64	(1) 2M x 64
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
200MB	(1) 16M x 64	(1) 8M x 64	(1) 1M x 64
208MB	(1) 16M x 64	(1) 8M x 64	(1) 2M x 64
224MB	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64

Note: Board accepts EDO & SDRAM memory.

CACHE CONFIGURATION		
Size	Bank 0	TAG
512KB	(1) 64K x 64	Unidentified

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CPU SPEED SELECTION (CX 6X86)					
CPU speed	Clock speed	Multiplier	FREQ1	FREQ2	FREQ3
133MHz	55MHz	2x	2 & 3	1 & 2	1 & 2
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86)					
CPU speed	Clock speed	Multiplier	FREQ1	FREQ2	FREQ3
133MHz	55MHz	2x	2 & 3	1 & 2	1 & 2
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86L)					
CPU speed	Clock speed	Multiplier	FREQ1	FREQ2	FREQ3
133MHz	55MHz	2x	2 & 3	1 & 2	1 & 2
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86L)					
CPU speed	Clock speed	Multiplier	FREQ1	FREQ2	FREQ3
133MHz	55MHz	2x	2 & 3	1 & 2	1 & 2
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86MX)					
CPU speed	Clock speed	Multiplier	FREQ1	FREQ2	FREQ3
166MHz	60MHz	2.5x	2 & 3	2 & 3	2 & 3
200MHz	66MHz	2.5x	2 & 3	2 & 3	2 & 3
233MHz	60MHz	3x	1 & 2	2 & 3	2 & 3
233MHz	66MHz	3x	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION (IBM 6X86MX)					
CPU speed	Clock speed	Multiplier	FREQ1	FREQ2	FREQ3
166MHz	60MHz	2.5x	2 & 3	2 & 3	2 & 3
200MHz	66MHz	2.5x	2 & 3	2 & 3	2 & 3
233MHz	60MHz	3x	1 & 2	2 & 3	2 & 3
233MHz	66MHz	3x	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)					
CPU speed	Clock speed	Multiplier	FREQ1	FREQ2	FREQ3
90MHz	60MHz	1.5x	1 & 2	1 & 2	1 & 2
100MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2
120MHz	60MHz	1.5x	1 & 2	1 & 2	1 & 2
133MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2
150MHz	60MHz	1.75x	2 & 3	2 & 3	1 & 2
166MHz	66MHz	1.75x	2 & 3	2 & 3	1 & 2
200MHz	66MHz	2x	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	FREQ1	FREQ2	FREQ3
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2
266MHz	66MHz	4x	2 & 3	1 & 2	2 & 3
300MHz	66MHz	4.5x	2 & 3	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)					
CPU speed	Clock speed	Multiplier	FREQ1	FREQ2	FREQ3
90MHz	60MHz	1.5x	1 & 2	1 & 2	1 & 2
100MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2
120MHz	60MHz	2x	2 & 3	1 & 2	1 & 2
133MHz	66MHz	2x	2 & 3	1 & 2	1 & 2
150MHz	60MHz	2.5x	2 & 3	2 & 3	1 & 2
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION (INTEL MMX)					
CPU speed	Clock speed	Multiplier	FREQ1	FREQ2	FREQ3
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION (SINGLE)		
Voltage	VR1	VR2
3.3v	Pins 3 & 4 closed	Open
3.5v	Pins 1 & 2 closed	Open

CPU VOLTAGE SELECTION (DUAL)			
Voltage	V core	VR1	VR2
3.3v	2.1v	Pins 11 & 12 closed	Pins 1 & 2, 3 & 4 closed
3.3v	2.8v	Pins 9 & 10 closed	Pins 1 & 2, 3 & 4 closed
3.3v	2.9v	Pins 7 & 8 closed	Pins 1 & 2, 3 & 4 closed
3.3v	3.2v	Pins 5 & 6 closed	Pins 1 & 2, 3 & 4 closed

FLASH BIOS SELECTION		
Type	EP1	EP2
AMD 28F020	Pins 2 & 3 closed	Pins 1 & 2 closed
ATMEL AT29C020	Pins 2 & 3 closed	Open
Intel 28F001	Pins 1 & 2 closed	Pins 2 & 3 closed
MXIC MX28F2000	Pins 2 & 3 closed	Pins 2 & 3 closed
SST 29EE010	Pins 2 & 3 closed	Open
SST 29EE020	Pins 2 & 3 closed	Open