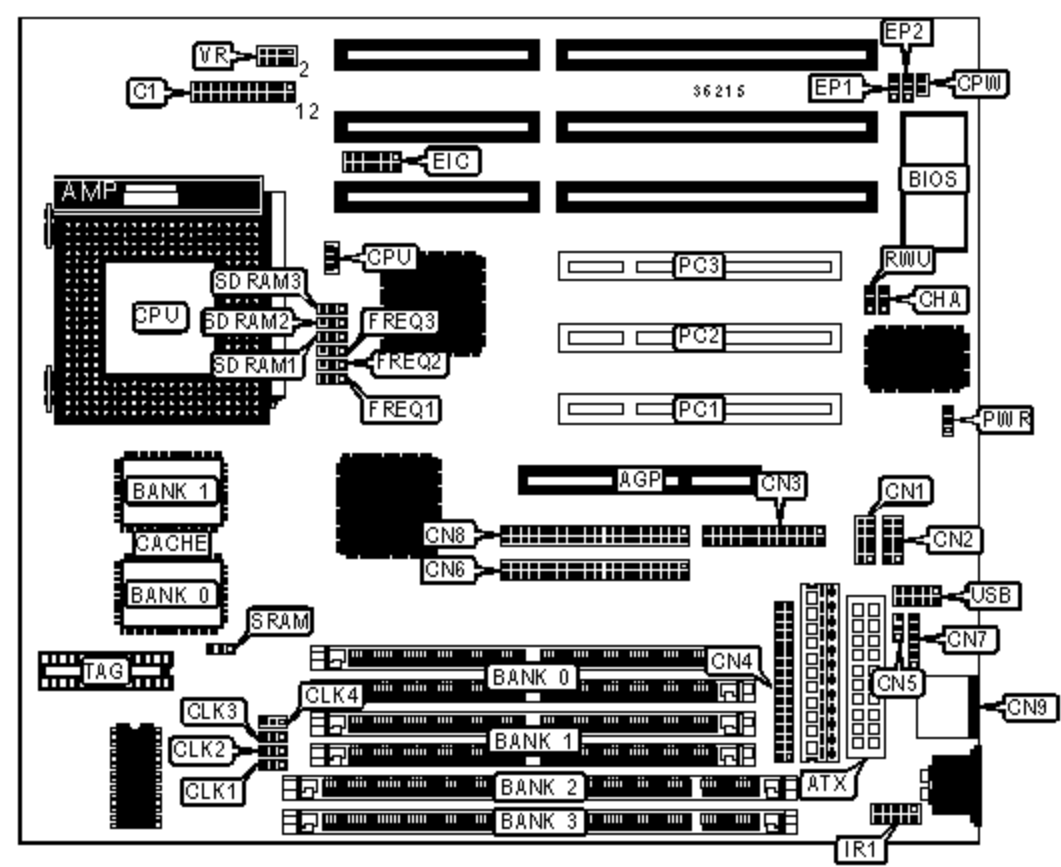


FIRST INTERNATIONAL COMPUTER, INC .

VA-503+

Device Type	Mainboard
Processor	CX 6x86L/IBM 6x86L/CX 686MX/IBM 6x86MX/AM K6/Pentium/Pentium MMX
Processor Speed	133/150/166/200/233/266/300MHz
Chip Set	VIA
Maximum Onboard Memory	512MB (EDO & SDRAM supported)
Cache	512/1024KB
BIOS	Unidentified
Dimensions	254mm x 218mm
I/O Options	32-bit PCI slots (3), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), IR connector, USB connector, ATX power connector, AGP slot
NPU Options	None



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Parallel port	CN3
ATX power connector	ATX	Floppy drive interface	CN4
Power LED & keylock	C1/pins 1 - 5	Remote power connector	CN5
Turbo LED	C1/pins 6 & 7	IDE interface 1	CN6
Green PC connector	C1/pins 8 & 9	PS/2 mouse interface	CN7
Green PC LED	C1/pins 10 & 11	IDE interface 2	CN8

Speaker	C1/pins 12 - 15	PS/2 mouse interface	CN9
IDE interface LED	C1/pins 16 & 17	CPU fan power	CPU
Soft off power supply	C1/pins 18 & 19	EISCA CPU fan connector	EIC
Reset switch	C1/pins 20 & 21	IR connector	IR1
Chassis fan power	CHA	32-bit PCI slots	PC1 - PC3
Serial port 1	CN1	Remote wake up connector	RWU
Serial port 2	CN2	USB connector	USB

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	Password disabled	CPW	Open
	Password enabled	CPW	Closed
»	Power supply select AT	PWR	Pins 1 & 2 closed
	Power supply select ATX	PWR	Pins 2 & 3 closed
»	Burst type select Intel	SRAM	Pins 1 & 2 closed
	Burst type select linear	SRAM	Pins 2 & 3 closed

SIMM 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

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

Note: Board accepts EDO memory.

DIMM CONFIGURATION

Size	Bank 2	Bank 3
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) 16M x 64	None
128MB	(1) 8M x 64	(1) 8M x 64
136MB	(1) 16M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64
Note: Board accepts SDRAM memory.		

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

BUS FREQUENCY SELECTION						
External CPU speed		DIMM speed	SDRAM1	SDRAM2	SDRAM3	CLK4
	66MHz	100MHz	2 & 3	2 & 3	2 & 3	1 & 2
»	66MHz	Non - 100MHz	1 & 2	2 & 3	2 & 3	2 & 3
	75MHz	100MHz	2 & 3	2 & 3	2 & 3	1 & 2
	(option 1) 75MHz	Non - 100MHz	1 & 2	2 & 3	2 & 3	2 & 3
	(option 2) 75MHz	Non - 100MHz	2 & 3	2 & 3	2 & 3	1 & 2
	83MHz	100MHz	2 & 3	1 & 2	2 & 3	1 & 2
	(option 1) 83MHz	Non - 100MHz	1 & 2	1 & 2	2 & 3	2 & 3
	(option 2) 83MHz	Non - 100MHz	2 & 3	1 & 2	2 & 3	1 & 2
	100MHz	100MHz	2 & 3	1 & 2	2 & 3	1 & 2

100MHz

Non - 100MHz

1 & 2

1 & 2

2 & 3

2 & 3

Note: Pins designated should be in the closed position. Option 1 selects stable performance. Option 2 enables high performance mode

CPU SPEED SELECTION (CX 6X86L)

CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
133MHz	55MHz	2x	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
166MHz	66MHz	2x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86L)

CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
133MHz	55MHz	2x	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
166MHz	66MHz	2x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
166MHz	50MHz	3x	2 & 3	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2
166MHz	66MHz	2x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
166MHz	60MHz	2.5x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3
200MHz	66MHz	2.5x	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3
200MHz	60MHz	3x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3x	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
266MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86MX)

CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
166MHz	50MHz	3x	2 & 3	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2
166MHz	66MHz	2x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
166MHz	60MHz	2.5x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3
200MHz	66MHz	2.5x	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3
200MHz	60MHz	3x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3x	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
266MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2	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	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
266MHz	66MHz	4x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3
300MHz	66MHz	4.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
166MHz	66MHz	2.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION (DUAL)

V core	Voltage	VR
2.2v	3.3v	Pins 5 & 6 closed
2.8v	3.3v	Pins 1 & 2 closed
2.9v	3.3v	Pins 1 & 2, 7 & 8 closed
3.2v	3.3v	Pins 1 & 2, 3 & 4 closed

FLASH BIOS SELECTION

Type	EP1	EP2
ATMEL AT29C010	Pins 1 & 2 closed	Pins 1 & 2 closed
ATMEL AT29C020	Pins 1 & 2 closed	Pins 2 & 3 closed
Intel 28F001	Pins 2 & 3 closed	Pins 1 & 2 closed
MXIC MX28F1000	Pins 2 & 3 closed	Pins 1 & 2 closed
SST 29EE010	Pins 1 & 2 closed	Pins 1 & 2 closed
SST 29EE020	Pins 1 & 2 closed	Pins 2 & 3 closed
Windbond 29C020	Pins 1 & 2 closed	Pins 2 & 3 closed