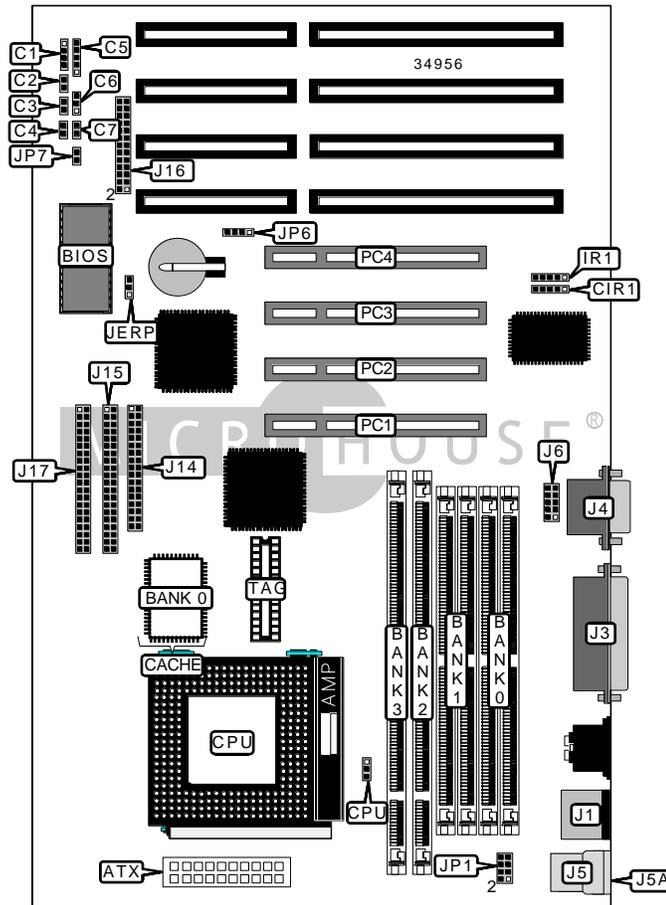


# J-MARK COMPUTER CORPORATION

## J-5TXA, J-5TXA/L

<b>Device Type</b>	Mainboard
<b>Processor</b>	CX 6X86/IBM 6X86/CX 686MX/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 (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connectors (2), USB connectors (2), ATX power connector
<b>NPU Options</b>	None



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J-MARK COMPUTER CORPORATION  
 J-5TXA, J-5TXA/L

... continued from previous page

CONNECTIONS			
Purpose	Location	Purpose	Location
ATX power connector	ATX	PS/2 mouse port	J1
Speaker	C1	Parallel port	J3
Reset switch	C2	Serial port 1	J4
Turbo LED	C3	USB connector 1	J5
IDE interface LED	C4	USB connector 2	J5A
Power LED & keylock	C5	Serial port 2	J6
Turbo switch	C6	Floppy drive interface	J14
Green PC connector	C7	IDE interface 2	J15
Consumer IR connector	CIR1	IDE interface 1	J17
CPU fan power	CPU	Soft off power supply	JP7
IR connector	IR1	32-bit PCI slots	PC1 – PC4

USER CONFIGURABLE SETTINGS		
Function	Label	Position
Flash BIOS voltage select 12v	JERP	Pins 1 & 2 closed
Flash BIOS voltage select 5v	JERP	Pins 2 & 3 closed
CMOS memory	JP6	Unidentified

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
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

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J-MARK COMPUTER CORPORATION  
 J-5TXA, J-5TXA/L

... continued from previous page

SIMM CONFIGURATION (CON'T)		
Size	Bank 0	Bank 1
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	TAG
512KB	(1) 64K x 64	(1) 32K x 32

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J-MARK COMPUTER CORPORATION  
 J-5TXA, J-5TXA/L

... continued from previous page

CPU SPEED SELECTION (CX 6X86)			
CPU speed	Clock speed	Multiplier	J16
150MHz	60MHz	2x	Pins 21 & 22 closed
166MHz	66MHz	2x	Pins 23 & 24 closed
200MHz	75MHz	2x	Pins 25 & 26 closed

CPU SPEED SELECTION (IBM 6X86)			
CPU speed	Clock speed	Multiplier	J16
150MHz	60MHz	2x	Pins 21 & 22 closed
166MHz	66MHz	2x	Pins 23 & 24 closed
200MHz	75MHz	2x	Pins 25 & 26 closed

CPU SPEED SELECTION (CX 6X86MX)			
CPU speed	Clock speed	Multiplier	J16
166MHz	60MHz	2.5x	Pins 9 & 10 closed
200MHz	75MHz	2x	Pins 25 & 26 closed
233MHz	66MHz	3x	Pins 13 & 14 closed

CPU SPEED SELECTION (AM K5)			
CPU speed	Clock speed	Multiplier	J16
90MHz	60MHz	1.5x	Pins 1 & 2 closed
100MHz	66MHz	1.5x	Pins 3 & 4 closed
133MHz	66MHz	1.5x	Pins 3 & 4 closed
166MHz	66MHz	2.5x	Pins 11 & 12 closed

CPU SPEED SELECTION (AM K6)			
CPU speed	Clock speed	Multiplier	J16
166MHz	66MHz	2.5x	Pins 11 & 12 closed
200MHz	66MHz	3x	Pins 13 & 14 closed
233MHz	66MHz	3.5x	Pins 15 & 16 closed
266MHz	66MHz	4x	Pins 17 & 18 closed
300MHz	66MHz	4.5x	Pins 19 & 20 closed

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J-MARK COMPUTER CORPORATION  
 J-5TXA, J-5TXA/L

... continued from previous page

CPU SPEED SELECTION (INTEL)			
CPU speed	Clock speed	Multiplier	J16
90MHz	60MHz	1.5x	Pins 1 & 2 closed
100MHz	66MHz	1.5x	Pins 3 & 4 closed
120MHz	60MHz	2x	Pins 5 & 6 closed
133MHz	66MHz	2x	Pins 7 & 8 closed
150MHz	60MHz	2.5x	Pins 9 & 10 closed
166MHz	66MHz	2.5x	Pins 11 & 12 closed
200MHz	66MHz	3x	Pins 13 & 14 closed

CPU SPEED SELECTION (INTEL MMX)			
CPU speed	Clock speed	Multiplier	J16
166MHz	66MHz	2.5x	Pins 11 & 12 closed
200MHz	66MHz	3x	Pins 13 & 14 closed
233MHz	66MHz	3.5x	Pins 3 & 4 closed

CPU VOLTAGE SELECTION				
Voltage	JP1/pins 1 & 2	JP1/pins 3 & 4	JP1/pins 5 & 6	JP1/pins 7 & 8
2.04v	Closed	Closed	Closed	Open
2.10v	Closed	Closed	Closed	Closed
2.14v	Open	Open	Open	Closed
2.84v	Closed	Open	Open	Open
2.94v	Closed	Open	Open	Closed
3.24v	Closed	Closed	Open	Open
3.34v	Closed	Closed	Closed	Open
3.44v	Closed	Closed	Closed	Open
3.54v	Closed	Closed	Closed	Closed