J-MARK COMPUTER CORPORATION

J - 6 5 6 V X D

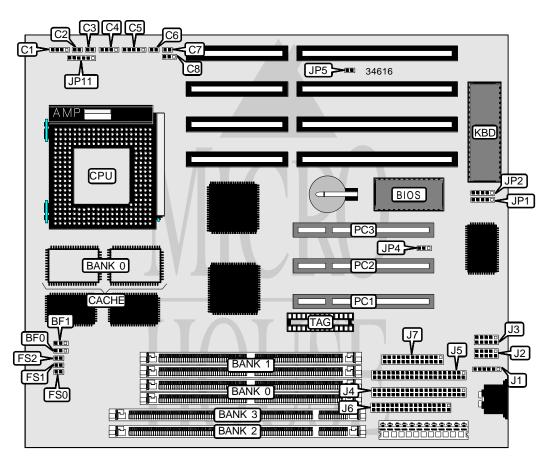|	
Processor	CX 6X86/AM K5/AM K6/Pentium
Processor Speed	75/90/100/120/133/150/166/200/233MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	512MB (EDO supported)
Maximum Video Memory	None
Cache	256/512KB
BIOS	Award
Dimensions	254mm x 218mm
I/O Options	32-bit PCI slots (3), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), IR connector, USB connectors (2)
NPU Options	None

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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
IR connector	C1	Serial port 2	J2
IDE interface LED	C2	Serial port 1	J3
Reset switch	C3	IDE interface 2	J4
Speaker	C4	IDE interface 1	J5
Power LED & keylock	C5	Floppy drive interface	J6
Green PC connector	C6	Parallel port	J7
Turbo LED	C7	USB connector	JP1
Turbo switch	C8	USB connector	JP2
PS/2 mouse interface	J1	32-bit PCI slots	PC1 – PC3

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
Flash BIOS voltage select 12v	JP4	Pins 2 & 3 closed
Flash BIOS voltage select 5v	JP4	Pins 1 & 2 closed
í CMOS memory normal operation	JP5	Open
CMOS memory clear	JP5	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
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.		

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DIMM CONFIGURATION		
Size	**Bank 0**	**Bank 1**
32MB	(1) 2M x 64	(1) 2M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64

CACHE CONFIGURATION		
Size	**Bank 0**	**TAG**
256KB	(2) 32K x 32	(1) 32K x 8
512KB	(2) 64K x 32	(1) 32K x 8

CPU SPEED SELECTION (CX 6X86)							
CPU speed	**Clock speed**	**Multiplier**	**BF0**	**BF1**	**FS0**	**FS1**	**FS2**
120MHz	50MHz	2x	2 & 3	1 & 2	Closed	Closed	Closed
133MHz	55MHz	2x	2 & 3	1 & 2	Closed	Closed	Open
150MHz	60MHz	2x	2 & 3	1 & 2	Open	Closed	Closed
166MHz	66MHz	2x	2 & 3	1 & 2	Closed	Open	Closed
200MHz	75MHz	3x	2 & 3	1 & 2	Open	Closed	Open

CPU SPEED SELECTION (AM K5)							
CPU speed	**Clock speed**	**Multiplier**	**BF0**	**BF1**	**FS0**	**FS1**	**FS2**
90MHz	60MHz	1.5x	1 & 2	1 & 2	Open	Closed	Closed
100MHz	66MHz	1.5x	1 & 2	1 & 2	Closed	Open	Closed
133MHz	66MHz	1.5x	1 & 2	1 & 2	Closed	Open	Closed
166MHz	66MHz	2.5x	2 & 3	2 & 3	Closed	Open	Closed

CPU SPEED SELECTION (AM K6)							
CPU speed	**Clock speed**	**Multiplier**	**BF0**	**BF1**	**FS0**	**FS1**	**FS2**
166MHz	66MHz	2.5x	2 & 3	2 & 3	Closed	Open	Closed
200MHz	66MHz	3x	1 & 2	2 & 3	Closed	Open	Closed
233MHz	66MHz	3.5x	1 & 2	1 & 2	Closed	Open	Closed

CPU SPEED SELECTION (INTEL)							
CPU speed	**Clock speed**	**Multiplier**	**BF0**	**BF1**	**FS0**	**FS1**	**FS2**
75MHz	50MHz	1.5x	1 & 2	1 & 2	Closed	Closed	Closed
90MHz	60MHz	1.5x	1 & 2	1 & 2	Open	Closed	Closed
100MHz	66MHz	1.5x	1 & 2	1 & 2	Closed	Open	Closed
120MHz	60MHz	2x	2 & 3	1 & 2	Open	Closed	Closed
133MHz	66MHz	2x	2 & 3	1 & 2	Closed	Open	Closed
150MHz	60MHz	2.5x	2 & 3	2 & 3	Open	Closed	Closed
166MHz	66MHz	2.5x	2 & 3	2 & 3	Closed	Open	Closed
200MHz	66MHz	3x	1 & 2	2 & 3	Closed	Open	Closed
233MHz	66MHz	3.5x	1 & 2	1 & 2	Closed	Open	Closed

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CPU VOLTAGE SELECTION	
Voltage	**JP11**
2.8v	Pins 1 & 2 closed
3.3v	Pins 2 & 3 closed
3.45v	Pins 4 & 5 closed
3.52v	Pins 5 & 6 closed