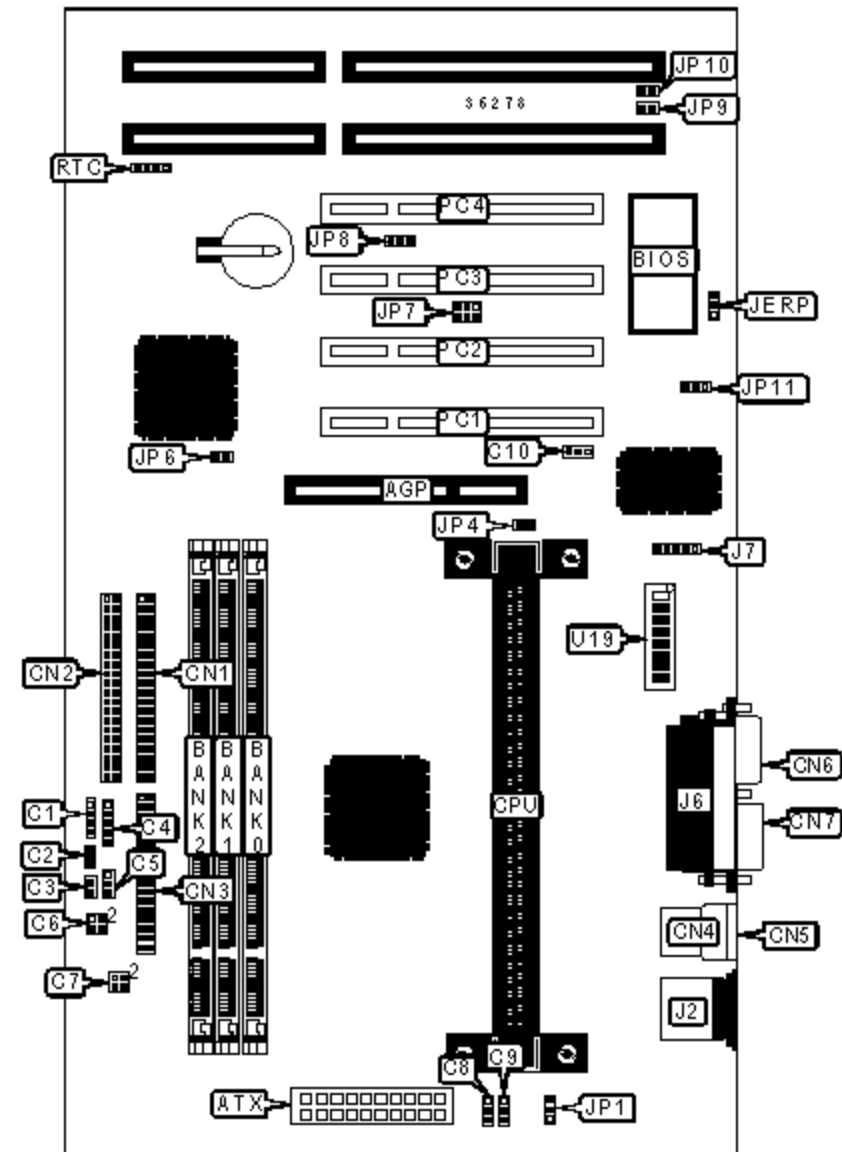


# J-MARK COMPUTER CORPORATION

## J-7XA

<b>Device Type</b>	Mainboard
<b>Processor</b>	Pentium II
<b>Processor Speed</b>	233/266/300/333MHz
<b>Chip Set</b>	Intel 440LX
<b>Maximum Onboard Memory</b>	768MB (EDO & SDRAM supported)
<b>Cache</b>	256/512KB (located on Pentium II CPU)
<b>BIOS</b>	Award
<b>Dimensions</b>	305mm x 170mm
<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 connector, USB connectors (2), ATX power connector, AGP slot, SB-link connector



### CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	IDE interface 1	CN1
ATX power connector	ATX	IDE interface 2	CN2

Speaker	C1	Floppy drive interface	CN3
Reset switch	C2	USB connector 1	CN4
Turbo LED	C3	USB connector 2	CN5
Power LED & keylock	C4	Serial port 2	CN6
Turbo switch	C5	Serial port 1	CN7
IDE interface LED	C6/pins 1 & 3	PS/2 mouse port	J2
Green PC connector	C6/pins 2 & 4	Parallel port	J6
Soft off power supply	C7/pins 2 & 4	IR connector	J7
Chassis fan power	C8	SB-link connector	JP7
CPU fan power	C9	32-bit PCI slots	PC1 - PC4
Chassis fan power	C10		

### USER CONFIGURABLE SETTINGS

Function		Label	Position
»	Factory configured - do not alter	JERP	Unidentified
»	Factory configured - do not alter	JP1	Unidentified
»	Factory configured - do not alter	JP4	Unidentified
»	Factory configured - do not alter	JP6	Unidentified
»	Factory configured - do not alter	JP8	Unidentified
»	Factory configured - do not alter	JP9	Unidentified
»	Factory configured - do not alter	JP10	Unidentified
»	Factory configured - do not alter	JP11	Unidentified
»	CMOS memory normal operation	RTC	Pins 2 & 3 closed
	CMOS memory clear	RTC	Pins 3 & 4 closed
	Battery type select external	RTC	Closed
»	Factory configured - do not alter	U19/8	Off

**DIMM CONFIGURATION**

<b>Size</b>	<b>Bank 0</b>	<b>Bank 1</b>	<b>Bank 2</b>
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

**DIMM CONFIGURATION (CON'T)**

<b>Size</b>	<b>Bank 0</b>	<b>Bank 1</b>	<b>Bank 2</b>
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
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

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
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) 8M x 64	(1) 8M x 64	(1) 8M x 64
256MB	(1) 32M x 64	None	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
264MB	(1) 32M x 64	(1) 1M x 64	None
272MB	(1) 32M x 64	(1) 1M x 64	(1) 1M x 64
272MB	(1) 32M x 64	(1) 2M x 64	None
288MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
288MB	(1) 32M x 64	(1) 4M x 64	None
320MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
320MB	(1) 32M x 64	(1) 8M x 64	None
384MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64

Note: Board accepts EDO & SDRAM memory.

**CACHE CONFIGURATION**

Note: 256KB/512KB cache is located on the Pentium II CPU.

**CPU SPEED SELECTION**

<b>CPU speed</b>	<b>Clock speed</b>	<b>Multiplier</b>	<b>U19/1</b>	<b>U19/2</b>	<b>U19/3</b>	<b>U19/4</b>
233MHz	66MHz	3.5x	On	On	Off	Off
266MHz	66MHz	4x	On	Off	On	On
300MHz	66MHz	4.5x	On	Off	Off	On
333MHz	66MHz	5x	On	Off	On	Off

**CPU SPEED SELECTION (CON'T)**

<b>CPU speed</b>	<b>Clock speed</b>	<b>Multiplier</b>	<b>U19/5</b>	<b>U19/6</b>	<b>U19/7</b>
233MHz	66MHz	3.5x	Off	Off	Off
266MHz	66MHz	4x	Off	Off	Off
300MHz	66MHz	4.5x	Off	Off	Off
333MHz	66MHz	5x	Off	Off	Off