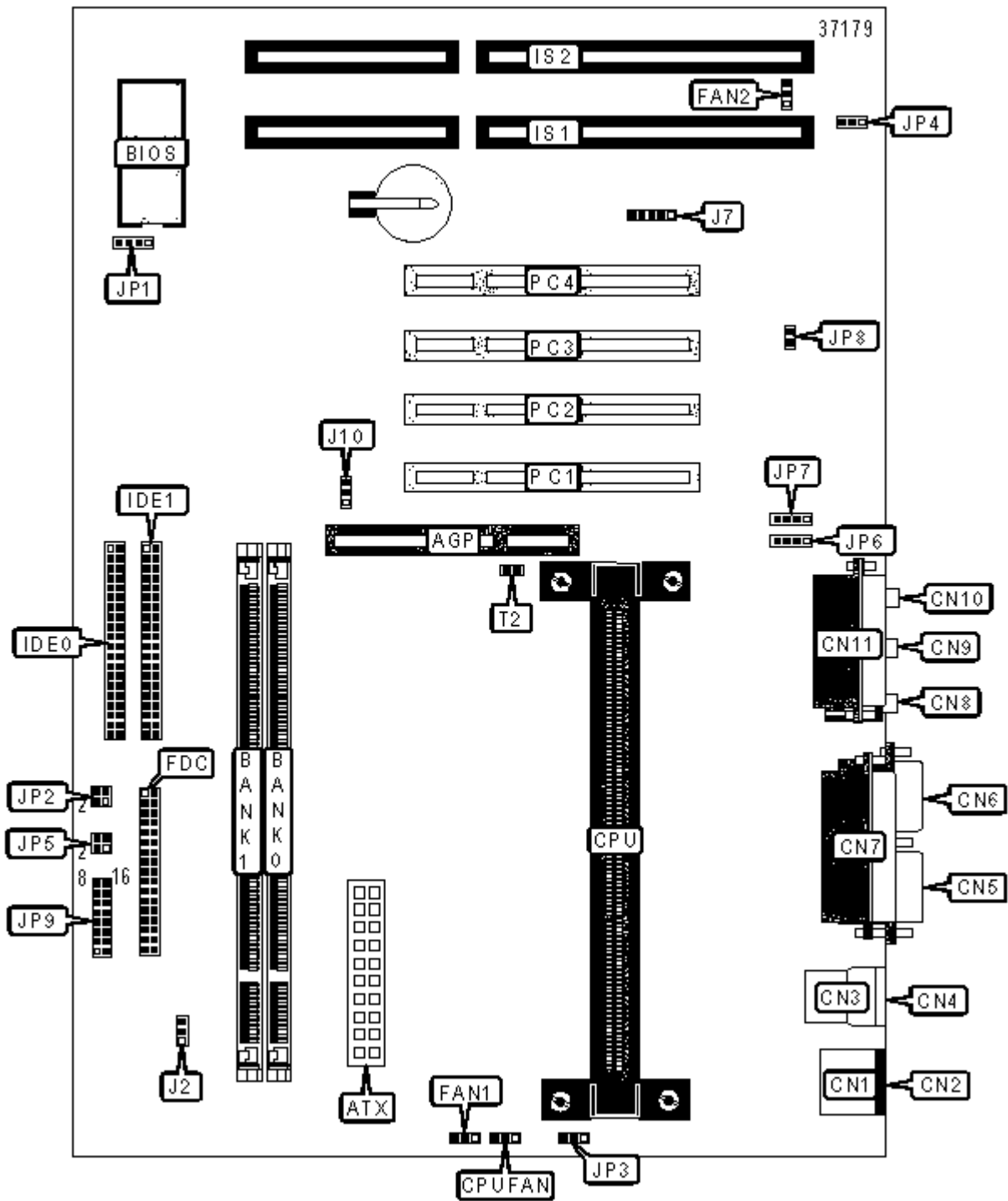


J-MARK COMPUTER CORPORATION

J-7ZXAS/L

Device Type	Mainboard
Processor	Clelerson/Pentium II
Processor Speed	233/266/300/333/350/400/450MHz
Chip Set	Intel 440ZX
Video Chip Set	Unidentified
Audio Chip Set	Unidentified
Maximum Onboard Memory	512MB (EDO & SDRAM supported)
Maximum Video Memory	1MB
Maximum Audio Memory	Unidentified
Cache	0/128/256/512KB (located on the CPU)
BIOS	Award
Dimensions	305mm x 190mm
I/O Options	16-bit ISA slots (2), 32-bit PCI slots (4), AGP slot, ATX power connector, Floppy drive interface, Game/MIDI port, Green PC connector, IDE interfaces (2), IR connector, Line in, Line out, Microphone in, Parallel port, PS/2 mouse port, PS/2 keyboard port, Serial ports (2), USB ports (2)



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	IDE interface 0	IDE0
ATX power connector	ATX	IDE interface 1	IDE1
PS/2 mouse port	CN1	16-bit ISA slots	IS1 – IS2
PS/2 keyboard port	CN2	IR connector	J7
USB port 1	CN3	Soft off power supply	JP2/Pins 2 & 4

USB port 2	CN4	Unidentified	JP4
Serial port 1	CN5	IDE interface LED	JP5/Pins 1 & 3
Serial port 2	CN6	Green PC connector	JP5/Pins 2 & 4
Parallel port	CN7	Audio in - CD ROM (Panasonic)	JP6
Line out	CN8	Audio in - CD ROM (Sony)	JP7
Line in	CN9	Power LED & keylock	JP9/Pins 1 - 5
Microphone	CN10	Turbo switch	JP9/Pins 6 - 8
Game/MIDI port	CN11	Speaker	JP9/Pins 9 -12
CPU fan power	CPUFAN	Reset switch	JP9/Pins 13 & 14
Fan power 1	FAN1	Turbo LED	JP9/Pins 15 & 16
Fan power 2	FAN2	32-bit PCI slots	PC1 – PC4
Floppy drive interface	FDC	CPU Thermal Sensor connector	T2

USER CONFIGURABLE SETTINGS

Function		Label	Position
	On board sound enabled	JP8	Closed
	On board sound disabled	JP8	Open

DIMM CONFIGURATION

Size	Bank 0	Bank 1
8MB	(1) 1M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
16MB	(1) 2M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64
32MB	(1) 4M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64

64MB	(1) 8M x 64	None
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) 8M x 64	(1) 8M x 64
128MB	(1) 16M x 64	None
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
256MB	(1) 32M x 64	None
264MB	(1) 32M x 64	(1) 1M x 64
272MB	(1) 32M x 64	(1) 2M x 64
288MB	(1) 32M x 64	(1) 4M x 64
320MB	(1) 32M x 64	(1) 8M x 64
384MB	(1) 32M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64
Note: Board supports EDO & SDRAM memory.		

CACHE CONFIGURATION

Note: 256/512KB cache is located on the Pentium II CPUs. 128KB cache is located on the Celeron 300A and greater CPUs.

CMOS RAM/BATTERY SELECTION

Function		JP1
»	CMOS memory normal operation	Pins 2 & 3 closed
	CMOS memory clear	Pins 3 & 4 closed
	External battery	Pins 1 & 4 closed

POWER ON OPTION

Function		J2	JP3
»	Power button function	Pins 1 & 2 closed	Pins 1 & 2 closed
	Keyboard power on password	Pins 2 & 3 closed	Pins 2 & 3 closed

CPU SPEED SELECTION (CELERON)

CPU speed	Clock speed	Multiplier	J10	U12/1	U12/2	U12/3	U12/4
266MHz	66MHz	4x	2 & 3	On	On	Off	On
300MHz	66MHz	4.5x	2 & 3	Off	On	Off	On
333MHz	66MHz	5x	2 & 3	On	Off	Off	On

CPU SPEED SELECTION (PENTIUM II)

CPU speed	Clock speed	Multiplier	J10	U12/1	U12/2	U12/3	U12/4
233MHz	66MHz	3.5x	2 & 3	Off	Off	On	On
266MHz	66MHz	4x	2 & 3	On	On	Off	On
300MHz	66MHz	4.5x	2 & 3	Off	On	Off	On
333MHz	66MHz	5x	2 & 3	On	Off	Off	On
350MHz	100MHz	3.5x	1 & 2	Off	Off	On	On
400MHz	100MHz	4x	1 & 2	On	On	Off	On
450MHz	100MHz	4.5x	1 & 2	Off	On	Off	On