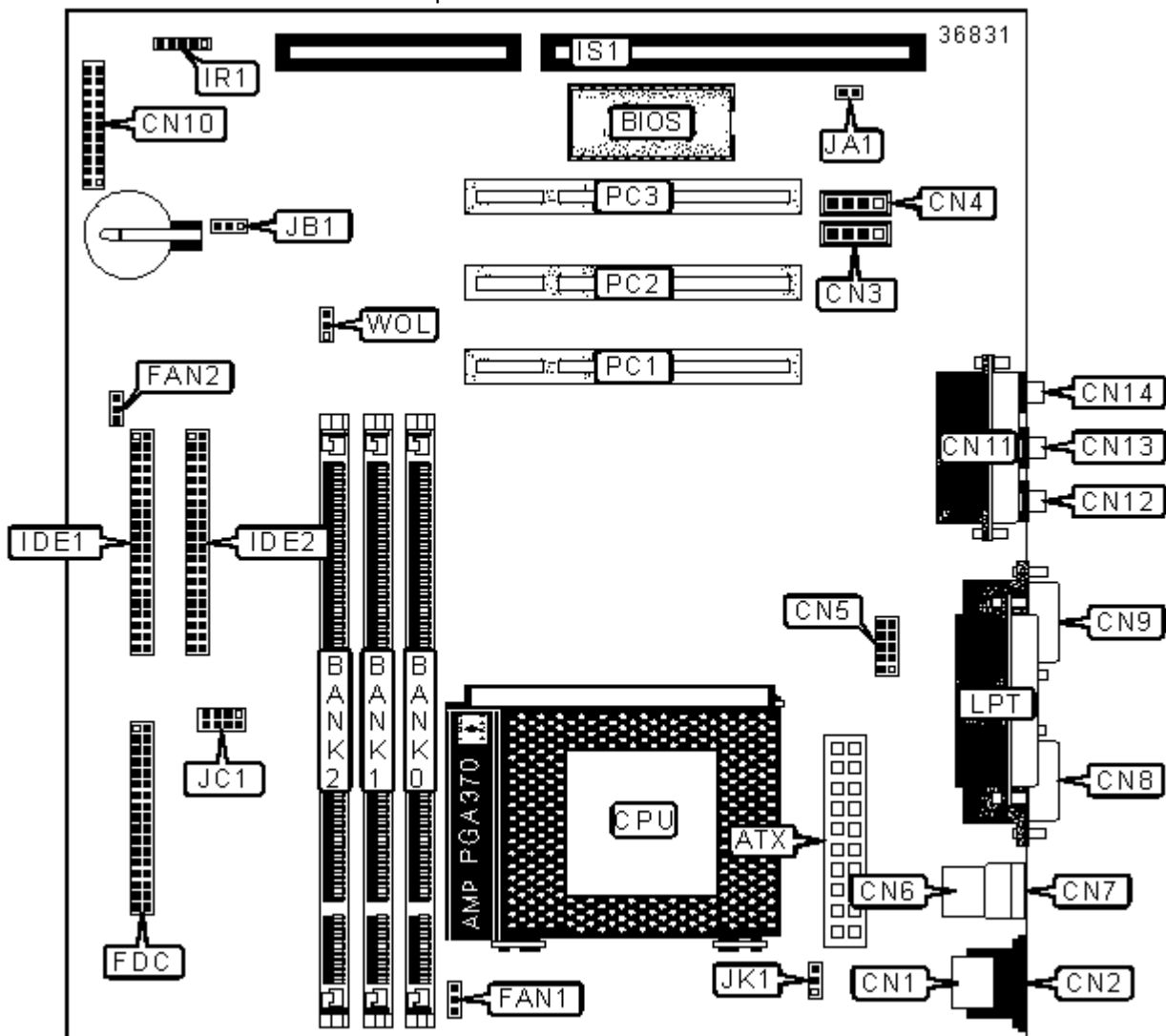


SUPERPOWER COMPUTER CO., LTD.

SP-7MSM, SP-7MSM1

Device Type	Mainboard
Processor	Celeron
Processor Speed	300/333/366/400MHz
Chip Set	SIS
Maximum Onboard Memory	768MB (SDRAM supported)
Cache	128KB (located on the Celeron CPU)
BIOS	Award
Dimensions	245mm x 220mm
I/O Options	32-bit PCI slots (3), 16-bit ISA slot, floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse port, PS/2 keyboard port, serial interface, serial port, IR connector, USB ports (2), ATX power connector, Wake-on-LAN connector, Audio in - CD-ROM (2), line in, line out, microphone in, game/MIDI port, VGA port



CONNECTIONS			
Purpose	Location	Purpose	Location
ATX power connector	ATX	Green PC LED	CN10/Pins 19 & 20

PS/2 mouse port	CN1	Power switch	CN10/Pins 21 & 22
PS/2 keyboard port	CN2	Game/MIDI port	CN11
Audio in - CD-ROM	CN3	Line out	CN12
Audio in - CD-ROM	CN4	Line in	CN13
Serial interface	CN5	Microphone in	CN14
USB port 1	CN6	CPU fan power	FAN1
USB port 2	CN7	System fan power	FAN2
Serial port	CN8	Floppy drive interface	FDC
VGA port	CN9	IDE interface 1	IDE1
Power LED & keylock	CN10/Pins 1, 3, 5, 7 & 9	IDE interface 2	IDE2
PC speaker	CN10/Pins 2, 4, 6 & 8	IR connector	IR1
IDE interface LED	CN10/Pins 11 & 12	16-bit ISA slot	IS1
Green PC switch	CN10/Pins 13 & 14	Parallel port	LPT
Reset switch	CN10/Pins 15 & 16	32-bit PCI slots	PC1 - PC3
Turbo LED	CN10/Pins 17 & 18	Wake-on-LAN connector	WOL

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	On board sound enabled	JA1	Closed
	On board sound disabled	JA1	Open
»	CMOS memory normal operation	JB1	Pins 2 & 3 closed
	CMOS memory clear	JB1	Pins 1 & 2 closed
	Keyboard wake-up enabled	JK1	Pins 2 & 3 closed
	Keyboard wake-up disabled	JK1	Pins 1 & 2 closed

DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2
16MB	(1) 2M x 64	None	None

32MB	(1) 2M x 64	(1) 2M x 64	None
32MB	(1) 4M x 64	None	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
256MB	(1) 16M x 64	(1) 16M x 64	None
256MB	(1) 32M x 64	None	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
288MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
320MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
384MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None
512MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64

Note: Board supports SDRAM memory.

CACHE CONFIGURATION

Note: 128KB cache is located on the Celeron 300A and greater CPUs.