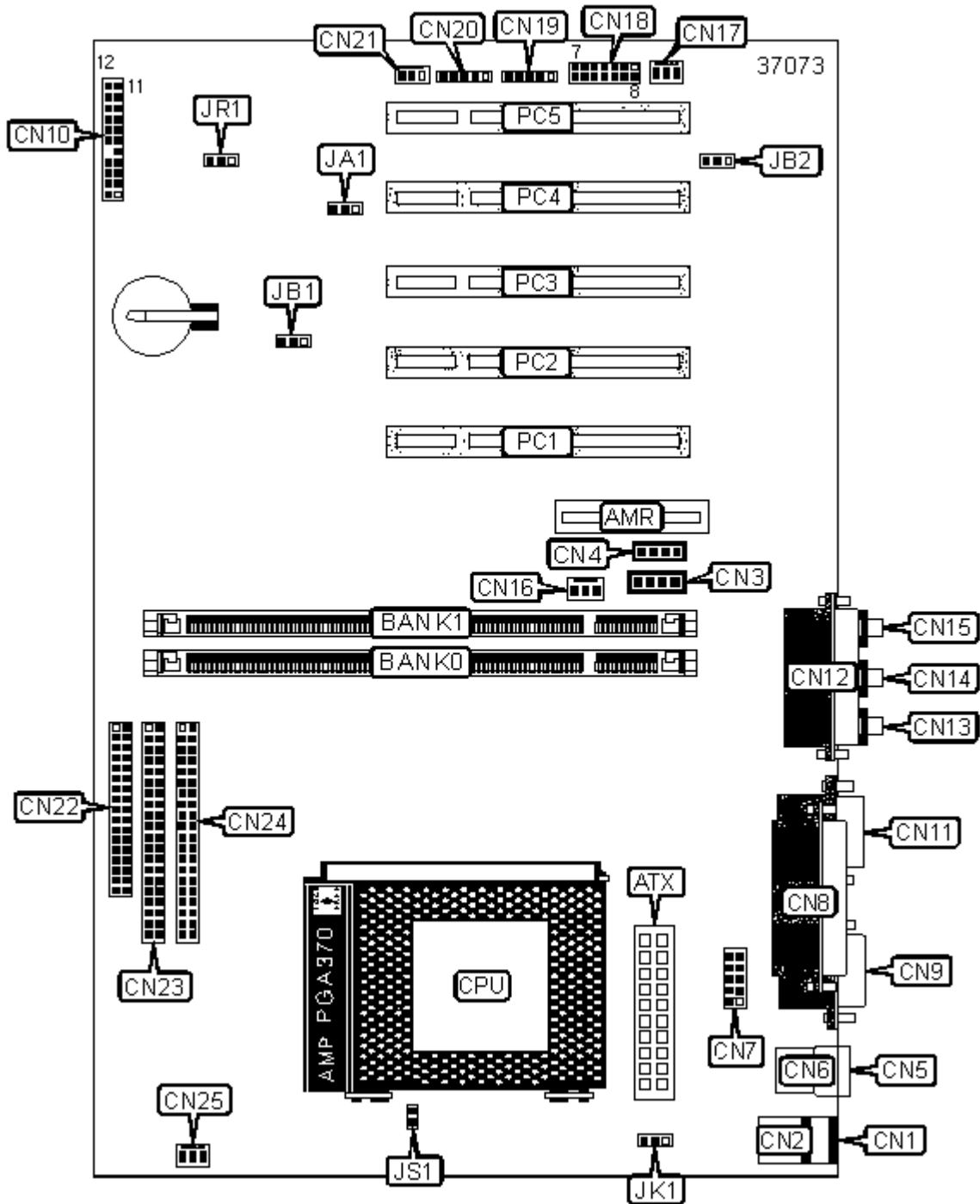


SUPERPOWER COMPUTER CO., LTD.

SP-7XW, SP-7XW-D, SP-7XW-L

| | |
|-------------------------------|--|
| Device Type | Mainboard |
| Processor | Celeron/Pentium III |
| Processor Speed | 300/333/366/400/433/466/500/550MHz |
| Chip Set | Intel 810 |
| Video Chip Set | Unidentified |
| Audio Chip Set | Unidentified |
| Maximum Onboard Memory | 512MB (SDRAM supported) |
| Maximum Video Memory | 4MB (7XW-D), Unidentified (7XW, 7XW-L) |
| Maximum Audio Memory | Unidentified |
| Cache | 0/128/256KB (located on the CPU) |
| BIOS | Award |
| Dimensions | 305mm x 190mm |
| I/O Options | 32-bit PCI slots (5), Audio/modem riser slot, ATX power connector, audio in - CD-ROMs (2), floppy drive interface, game/MIDI port, green PC switch, IDE interfaces (2), IR connector, line in, line out, microphone in, parallel port, PS/2 keyboard port, PS/2 mouse port, serial interface, serial port, Smart-Card-Reader connector, USB ports (2), VGA port, Wake-on-LAN connector |



CONNECTIONS

| Purpose | Location | Purpose | Location |
|------------------------|----------|----------------|-------------------|
| Audio/modem riser slot | AMR | Speaker | CN10/Pins 19 - 22 |
| ATX power connector | ATX | VGA port | CN11 |
| PS/2 keyboard port | CN1 | Game/MIDI port | CN12 |
| PS/2 mouse port | CN2 | Line out | CN13 |
| Audio in - CD-ROM | CN3 | Line in | CN14 |

| | | | |
|-------------------|-------------------|-----------------------------|-----------|
| Audio in - CD-ROM | CN4 | Microphone in | CN15 |
| USB port 1 | CN5 | System fan power | CN16 |
| USB port 2 | CN6 | System fan power | CN17 |
| Serial interface | CN7 | Smart-Card-Reader connector | CN18 |
| Parallel port | CN8 | IR connector | CN19 |
| Serial port 1 | CN9 | Unidentified | CN20 |
| Power LED | CN10/Pins 1 - 3 | Wake-on-LAN connector | CN21 |
| Keylock | CN10/Pins 4 & 5 | Floppy drive interface | CN22 |
| IDE interface LED | CN10/Pins 6 & 17 | IDE interface 1 | CN23 |
| Green PC switch | CN10/Pins 7 & 16 | IDE interface 2 | CN24 |
| Reset switch | CN10/Pins 8 & 15 | CPU fan power | CN25 |
| Green PC LED | CN10/Pins 10 & 13 | 32-bit PCI slots | PC1 - PC5 |
| PS-ON | CN10/Pins 11 & 12 | | |

USER CONFIGURABLE SETTINGS

| Function | | Label | Position |
|----------|---|-------|-------------------|
| | Onboard audio enabled | JA1 | Pins 1 & 2 closed |
| | Onboard audio disabled | JA1 | Pins 2 & 3 closed |
| » | CMOS memory normal operation | JB1 | Pins 1 & 2 closed |
| | CMOS memory clear | JB1 | Pins 2 & 3 closed |
| » | I/O keyboard password normal operation | JB2 | Pins 1 & 2 closed |
| | I/O keyboard password clear | JB2 | Pins 2 & 3 closed |
| » | Power-on by keyboard disabled | JK1 | Pins 1 & 2 closed |
| | Power-on by keyboard enabled | JK1 | Pins 2 & 3 closed |
| » | Random Number Generator disabled | JR1 | Pins 1 & 2 closed |
| | Random Number Generator enabled | JR1 | Pins 2 & 3 closed |
| » | CPU host bus frequency detected automatically | JS1 | Closed |
| | CPU host bus frequency is 100MHz | JS1 | 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 SDRAM memory.
Note: PC100 modules must be used.

CACHE CONFIGURATION

Note: 128KB cache is located on Celeron 300A and greater CPUs. 256K cache is located on the Pentium III CPU.