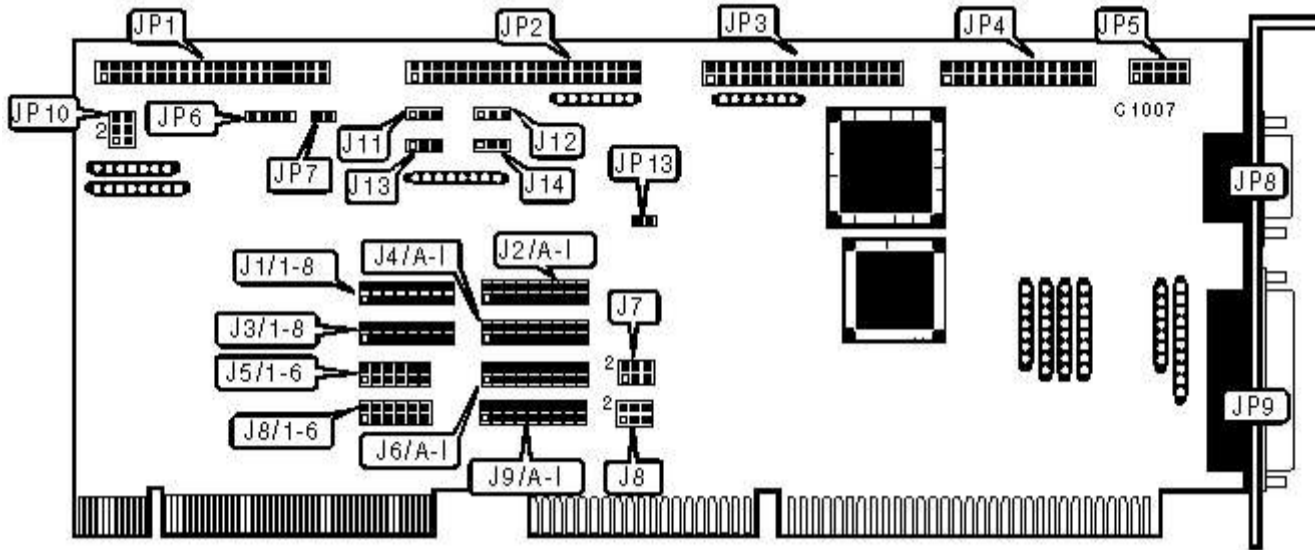# SUNIX CO., LTD.

## SUN-5246VT (EX-3120)

**Data Bus**            32-bit VESA Local Bus
**Card Size**           Three-quarter length, full-height card
**Hard Drives supported**    Four IDE (AT) drives
**Floppy drives supported** Two 360KB, 720KB, 1.2MB, 1.44MB or 2.88 MB drives



| CONNECTIONS | | | |
|---|---|---|---|
| **Function** | **Location** | **Function** | **Location** |
| 40-pin VL IDE(AT) connector | JP1 | 4-pin connector - VL drive active LED | JP6 |
| 40-pin ISA IDE(AT) connector | JP2 | 2-pin connector - ISA drive active LED | JP7 |
| 34-pin cable connector - floppy drive | JP3 | 9-pin serial port 1 - external | JP8 |
| 26-pin parallel port 2 - internal | JP4 | 25-pin parallel port 1 - external | JP9 |
| 10-pin serial port 2 - internal | JP5 | | |
| Note: JP7 may not be active on all boards. | | | |

| USER CONFIGURABLE SETTINGS | | | |
|---|---|---|---|
| | **Function** | **Label** | **Position** |
| » | Floppy drive interface enabled | J11 | Pins 1 & 2 closed |
| | Floppy drive interface disabled | J11 | Pins 2 & 3 closed |
| » | Floppy drive primary address select | J13 | Pins 1 & 2 closed |
| | Floppy drive secondary address select | J13 | Pins 2 & 3 closed |
| » | ISA IDE(AT) interface disabled | J12 | Pins 2 & 3 closed |
| | ISA IDE(AT) interface enabled | J12 | Pins 1 & 2 closed |
| » | ISA IDE(AT) primary address select | J14 | Pins 1 & 2 closed |
| | ISA IDE(AT) secondary address select | J14 | Pins 2 & 3 closed |
| » | Factory configured - do not alter | JP13 | Open |

| VL-BUS SPEED SELECTION | |
|---|---|
| **Speed** | **JP10** |
| » Speed-0 | Pins 2 & 3, 5 & 6 closed |
| Speed-1 | Pins 1 & 2, 5 & 6 closed |
| Speed-4 | Pins 2 & 3, 4 & 5 closed |

| | Speed-6 | Pins 1 & 2, 4 & 5 closed |
|---|---|---|

### SERIAL PORT 1 ADDRESS SELECTION

| | COM | J1/1 | J1/2 | J1/3 | J1/4 | J1/5 | J1/6 | J1/7 | J1/8 |
|---|---|---|---|---|---|---|---|---|---|
| » | COM1(3F8h) | Closed | Open | Open | Open | Open | Open | Open | Open |
| | COM2(2F8h) | Open | Closed | Open | Open | Open | Open | Open | Open |
| | COM3(3E8h) | Open | Open | Closed | Open | Open | Open | Open | Open |
| | COM4(2E8h) | Open | Open | Open | Closed | Open | Open | Open | Open |
| | COM5(3F0h) | Open | Open | Open | Open | Closed | Open | Open | Open |
| | COM6(3E0h) | Open | Open | Open | Open | Open | Closed | Open | Open |
| | COM7(2E0h) | Open | Open | Open | Open | Open | Open | Closed | Open |
| | COM8(260h) | Open | Open | Open | Open | Open | Open | Open | Closed |

### SERIAL PORT 2 ADDRESS SELECTION

| | COM | J3/1 | J3/2 | J3/3 | J3/4 | J3/5 | J3/6 | J3/7 | J3/8 |
|---|---|---|---|---|---|---|---|---|---|
| | COM1(3F8h) | Closed | Open | Open | Open | Open | Open | Open | Open |
| » | COM2(2F8h) | Open | Closed | Open | Open | Open | Open | Open | Open |
| | COM3(3E8h) | Open | Open | Closed | Open | Open | Open | Open | Open |
| | COM4(2E8h) | Open | Open | Open | Closed | Open | Open | Open | Open |
| | COM5(3F0h) | Open | Open | Open | Open | Closed | Open | Open | Open |
| | COM6(3E0h) | Open | Open | Open | Open | Open | Closed | Open | Open |
| | COM7(2E0h) | Open | Open | Open | Open | Open | Open | Closed | Open |
| | COM8(260h) | Open | Open | Open | Open | Open | Open | Open | Closed |

### PARALLEL PORT 1 ADDRESS SELECTION

| | LPT | J5/1 | J5/2 | J5/3 | J5/4 | J5/5 | J5/6 |
|---|---|---|---|---|---|---|---|
| » | LPT1(3BCh) | Closed | Open | Open | Open | Open | Open |
| | LPT2(378h) | Open | Closed | Open | Open | Open | Open |
| | LPT3(278h) | Open | Open | Closed | Open | Open | Open |
| | LPT4(268h) | Open | Open | Open | Closed | Open | Open |
| | LPT5(27Ch) | Open | Open | Open | Open | Closed | Open |
| | LPT6(26Ch) | Open | Open | Open | Open | Open | Closed |

### PARALLEL PORT 2 ADDRESS SELECTION

| | LPT | J8/1 | J8/2 | J8/3 | J8/4 | J8/5 | J8/6 |
|---|---|---|---|---|---|---|---|
| | LPT1(3BCh) | Closed | Open | Open | Open | Open | Open |
| » | LPT2(378h) | Open | Closed | Open | Open | Open | Open |
| | LPT3(278h) | Open | Open | Closed | Open | Open | Open |
| | LPT4(268h) | Open | Open | Open | Closed | Open | Open |
| | LPT5(27Ch) | Open | Open | Open | Open | Closed | Open |

| | LPT6(26Ch) | Open | Open | Open | Open | Open | Closed |
|---|---|---|---|---|---|---|---|

| **SERIAL PORT 1 INTERRUPT SELECTION** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **IRQ** | **J2/A** | **J2/B** | **J2/C** | **J2/D** | **J2/E** | **J2/F** | **J2/G** | **J2/H** | **J2/I** |
| IRQ3 | Closed | Open | Open | Open | Open | Open | Open | Open | Open |
| » IRQ4 | Open | Closed | Open | Open | Open | Open | Open | Open | Open |
| IRQ5 | Open | Open | Closed | Open | Open | Open | Open | Open | Open |
| IRQ7 | Open | Open | Open | Closed | Open | Open | Open | Open | Open |
| IRQ9 | Open | Open | Open | Open | Closed | Open | Open | Open | Open |
| IRQ10 | Open | Open | Open | Open | Open | Closed | Open | Open | Open |
| IRQ11 | Open | Open | Open | Open | Open | Open | Closed | Open | Open |
| IRQ12 | Open | Open | Open | Open | Open | Open | Open | Closed | Open |
| IRQ15 | Open | Open | Open | Open | Open | Open | Open | Open | Closed |

| **SERIAL PORT 2 INTERRUPT SELECTION** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **IRQ** | **J4/A** | **J4/B** | **J4/C** | **J4/D** | **J4/E** | **J4/F** | **J4/G** | **J4/H** | **J4/I** |
| » IRQ3 | Closed | Open | Open | Open | Open | Open | Open | Open | Open |
| IRQ4 | Open | Closed | Open | Open | Open | Open | Open | Open | Open |
| IRQ5 | Open | Open | Closed | Open | Open | Open | Open | Open | Open |
| IRQ7 | Open | Open | Open | Closed | Open | Open | Open | Open | Open |
| IRQ9 | Open | Open | Open | Open | Closed | Open | Open | Open | Open |
| IRQ10 | Open | Open | Open | Open | Open | Closed | Open | Open | Open |
| IRQ11 | Open | Open | Open | Open | Open | Open | Closed | Open | Open |
| IRQ12 | Open | Open | Open | Open | Open | Open | Open | Closed | Open |
| IRQ15 | Open | Open | Open | Open | Open | Open | Open | Open | Closed |

| **PARALLEL PORT 1 INTERRUPT SELECTION** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **IRQ** | **J6/A** | **J6/B** | **J6/C** | **J6/D** | **J6/E** | **JP7/F** | **J6/G** | **J6/H** | **J6/I** |
| IRQ3 | Closed | Open | Open | Open | Open | Open | Open | Open | Open |
| IRQ4 | Open | Closed | Open | Open | Open | Open | Open | Open | Open |
| IRQ5 | Open | Open | Closed | Open | Open | Open | Open | Open | Open |
| » IRQ7 | Open | Open | Open | Closed | Open | Open | Open | Open | Open |
| IRQ9 | Open | Open | Open | Open | Closed | Open | Open | Open | Open |
| IRQ10 | Open | Open | Open | Open | Open | Closed | Open | Open | Open |
| IRQ11 | Open | Open | Open | Open | Open | Open | Closed | Open | Open |
| IRQ12 | Open | Open | Open | Open | Open | Open | Open | Closed | Open |
| IRQ15 | Open | Open | Open | Open | Open | Open | Open | Open | Closed |

| **PARALLEL PORT 2 INTERRUPT SELECTION** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **IRQ** | **J9/A** | **J9/B** | **J9/C** | **J9/D** | **J9/E** | **J9/F** | **J9/G** | **J9/H** | **J9/I** |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | IRQ3 | Closed | Open | Open | Open | Open | Open | Open | Open | Open |
| | IRQ4 | Open | Closed | Open | Open | Open | Open | Open | Open | Open |
| » | IRQ5 | Open | Open | Closed | Open | Open | Open | Open | Open | Open |
| | IRQ7 | Open | Open | Open | Closed | Open | Open | Open | Open | Open |
| | IRQ9 | Open | Open | Open | Open | Closed | Open | Open | Open | Open |
| | IRQ10 | Open | Open | Open | Open | Open | Closed | Open | Open | Open |
| | IRQ11 | Open | Open | Open | Open | Open | Open | Closed | Open | Open |
| | IRQ12 | Open | Open | Open | Open | Open | Open | Open | Closed | Open |
| | IRQ15 | Open | Open | Open | Open | Open | Open | Open | Open | Closed |

| DMA CHANNEL SELECTION | | |
|---|---|---|
| **Channel** | **J7** | **J8** |
| 0 | Pins 1 & 2 closed | Pins 1 & 2 closed |
| 1 | Pins 3 & 4 closed | Pins 3 & 4 closed |
| »    3 | Pins 5 & 6 closed | Pins 5 & 6 closed |