# AXIOM TECHNOLOGY, INC.
# A X 8 2 4 5 H

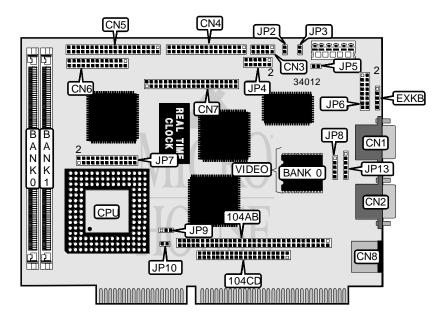| | |
|---|---|
| **Processor** | 80486SX/CX486DX/AM486WB/AM486DX/80486DX/CX486DX2/ AM486DX2/80486DX2/CX486DX4/AM486DX4/80486DX4/CX5X86/ AM5X86 |
| **Processor Speed** | 25/33/40/50(internal)/66(internal)/75(internal)/80(internal)/ 100(internal)/120(internal)/133(internal)MHz |
| **Chip Set** | Unidentified |
| **Video Chip Set** | Unidentified |
| **Maximum Onboard Memory** | 64MB |
| **Maximum Video Memory** | 1MB |
| **Cache** | 128/256/512KB |
| **BIOS** | Award |
| **Dimensions** | 185mm x 122mm |
| **I/O Options** | Floppy drive interface, green PC connector, IDE interface, parallel port, PS/2 mouse port/keyboard, serial ports (2), VGA port, flat panel connector, PC104 connectors (2) |
| **NPU Options** | None |



| CONNECTIONS | | | |
|---|---|---|---|
| **Purpose** | **Location** | **Purpose** | **Location** |
| Serial port 1 | CN1 | Auxiliary keyboard connector | EXKB |
| VGA port | CN2 | Turbo LED | JP2 |
| Serial port 2 | CN3 | IDE interface LED | JP3 |
| Parallel port | CN4 | Reset switch | JP5 |
| IDE interface | CN5 | Power LED & keylock | JP8 |
| Floppy drive interface | CN6 | Green PC connector | JP10 |
| Flat panel connector | CN7 | PC104 connector | 104AB |
| PS/2 mouse port/keyboard | CN8 | PC104 connector | 104CD |

# AXIOM TECHNOLOGY, INC.
# A X 8 2 4 5 H

| USER CONFIGURABLE SETTINGS | | |
|---|---|---|
| **Function** | **Label** | **Position** |
| í  CN8 used as keyboard connector | JP13 | Pins 2 & 3, 5 & 6 closed |
| CN8 used as PS/2 mouse port | JP13 | Pins 1 & 2, 4 & 5 closed |

| DRAM CONFIGURATION | | |
|---|---|---|
| **Size** | **Bank 0** | **Bank 1** |
| 1MB | (1) 256K x 36 | None |
| 2MB | (1) 256K x 36 | (1) 256K x 36 |
| 2MB | (1) 512K x 36 | None |
| 3MB | (1) 256K x 36 | (1) 512K x 36 |
| 4MB | (1) 512K x 36 | (1) 512K x 36 |
| 4MB | (1) 1M x 36 | None |
| 5MB | (1) 256K x 36 | (1) 1M x 36 |
| 6MB | (1) 512K x 36 | (1) 1M x 36 |
| 8MB | (1) 1M x 36 | (1) 1M x 36 |
| 8MB | (1) 2M x 36 | None |
| 10MB | (1) 512K x 36 | (1) 2M x 36 |
| 12MB | (1) 1M x 36 | (1) 2M x 36 |
| 16MB | (1) 2M x 36 | (1) 2M x 36 |
| 20MB | (1) 1M x 36 | (1) 4M x 36 |
| 24MB | (1) 2M x 36 | (1) 4M x 36 |
| 32MB | (1) 4M x 36 | (1) 4M x 36 |
| 32MB | (1) 8M x 36 | None |
| 36MB | (1) 1M x 36 | (1) 8M x 36 |
| 40MB | (1) 2M x 36 | (1) 8M x 36 |
| 48MB | (1) 4M x 36 | (1) 8M x 36 |
| 64MB | (1) 8M x 36 | (1) 8M x 36 |

| CACHE CONFIGURATION |
|---|
| Note:  The location of the cache is unidentified. |

| VIDEO MEMORY CONFIGURATION |
|---|
| Note:  1MB video memory is factory installed and not configurable. |

# AXIOM TECHNOLOGY, INC.
# A X 8 2 4 5 H

| CPU SPEED SELECTION ||
| --- | --- |
| **Speed** | **JP4** |
| 25MHz | Pins 3 & 4 closed |
| 33MHz | Pins 1 & 2, 3 & 4, 5 & 6 closed |
| 40MHz | Pins 1 & 2, 5 & 6 closed |
| 50iMHz | Pins 3 & 4 closed |
| 66iMHz | Pins 1 & 2, 3 & 4, 5 & 6 closed |
| 75iMHz | Pins 3 & 4 closed |
| 80iMHz | Pins 1 & 2, 5 & 6 closed |
| 100iMHz | Pins 1 & 2, 3 & 4, 5 & 6 closed |
| 120iMHz | Pins 1 & 2, 5 & 6 closed |
| 133iMHz | Pins 1 & 2, 3 & 4, 5 & 6 closed |

| CPU TYPE SELECTION ||
| --- | --- |
| **Type** | **JP7** |
| 80486SX | 5 & 6, 11 & 12, 13 & 15, 14 & 16, 19 & 20, 22 & 24 |
| CX486DX | 1 & 2, 6 & 8, 9 & 10, 11 & 13, 14 & 16, 15 & 17, 19 & 21, 22 & 24, 25 & 26 |
| AM486 WB | 1 & 3, 5 & 6, 8 & 10, 11 & 12, 13 & 15, 14 & 16, 19 & 21, 23 & 24, 25 & 26 |
| AM486DX | 4 & 6, 9 & 11, 15 & 16, 19 & 21, 22 & 24, 25 & 26 |
| 80486DX | 5 & 6, 11 & 12, 13 & 15, 14 & 16, 19 & 21, 22 & 24, 25 & 26 |
| CX486DX2 | 1 & 2, 6 & 8, 9 & 10, 11 & 13, 14 & 16, 15 & 17, 19 & 21, 22 & 24, 25 & 26 |
| AM486DX2 | 4 & 6, 9 & 11, 15 & 16, 17 & 18, 19 & 21, 22 & 24, 25 & 26 |
| 80486DX2 | 5 & 6, 11 & 12, 13 & 15, 14 & 16, 19 & 21, 22 & 24, 25 & 26 |
| CX486DX4 | 1 & 2, 6 & 8, 9 & 10, 11 & 13, 14 & 16, 15 & 17, 19 & 21, 22 & 24, 25 & 26 |
| AM486DX4 | 4 & 6, 9 & 11, 15 & 16, 19 & 21, 22 & 24, 25 & 26 |
| 80486DX4 | 5 & 6, 11 & 12, 13 & 15, 14 & 16, 19 & 21, 22 & 24, 25 & 26 |
| CX5X86 | 1 & 3, 5 & 6, 8 & 10, 11 & 12, 13 & 15, 14 & 16, 19 & 21, 23 & 24, 25 & 26 |
| CX5X86-133 | 1 & 3, 5 & 6, 7 & 9, 8 & 10, 11 & 12, 14 & 16, 15 & 17, 19 & 21, 23 & 24, 25 & 26 |
| AM5X86 | 1 & 3, 5 & 6, 7 & 9, 8 & 10, 11 & 12, 13 & 15, 14 & 16, 19 & 21, 23 & 24, 25 & 26 |
| Note: Pins designated should be in the closed position. ||

| CPU VOLTAGE SELECTION ||
| --- | --- |
| **Voltage** | **JP9** |
| í 3.3v | Pins 2 & 3 closed |
| 5v | Pins 1 & 2 closed |

| SERIAL PORT 1 INTERRUPT SELECTION ||
| --- | --- |
| **IRQ** | **JP4** |
| í IRQ4 | Pins 7 & 8 closed |
| IRQ11 | Pins 8 & 10 closed |

# AXIOM TECHNOLOGY, INC.
# A X 8 2 4 5 H

| SERIAL PORT 2 INTERRUPT SELECTION ||
|---|---|
| **IRQ** | **JP4** |
| í   IRQ3 | Pins 9 & 11 closed |
| IRQ10 | Pins 11 & 12 closed |

| SERIAL PORT 2 SELECTION ||
|---|---|
| **Setting** | **JP6** |
| í   RS-232 | Pins 1 & 2 closed |
| RS-422 | Pins 1 & 3, 5 & 6, 7 & 8, 9 & 10, 11 & 12 closed |
| RS-485 | Pins 1 & 3, 4 & 6, 7 & 8, 9 & 10, 11 & 12, 13 & 14, 15 & 16 closed |