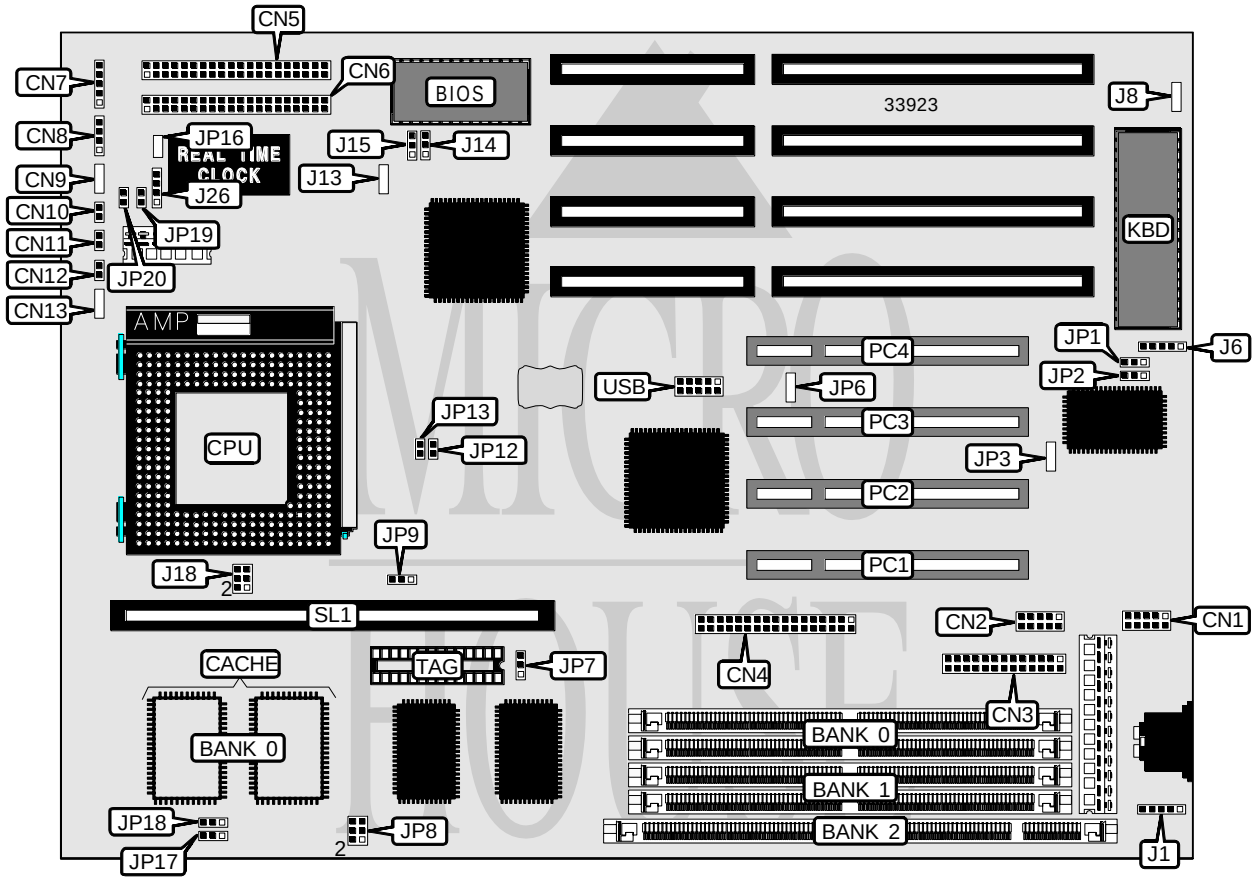
# BJMT TECHNOLOGY CORPORATION
# I N T E L 8 2 4 3 0 V X

| | |
|---|---|
| **Processor** | CX M1/AM K5/Pentium |
| **Processor Speed** | 75/90/100/120/133/150/166/180/200MHz |
| **Chip Set** | Intel |
| **Video Chip Set** | None |
| **Maximum Onboard Memory** | 128MB (EDO supported) |
| **Maximum Video Memory** | None |
| **Cache** | 256/512KB |
| **BIOS** | Award |
| **Dimensions** | 330mm x 218mm |
| **I/O Options** | 32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), cache slot, IR connector, USB connector |
| **NPU Options** | None |

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| CONNECTIONS | | | |
|---|---|---|---|
| **Purpose** | **Location** | **Purpose** | **Location** |
| Serial port 2 | CN1 | Turbo LED | CN10 |
| Serial port 1 | CN2 | Reset switch | CN11 |
| Parallel port | CN3 | Green PC connector | CN12 |
| Floppy drive interface | CN4 | IDE interface LED | CN13 |
| IDE interface 2 | CN5 | PS/2 mouse interface | J1 |
| IDE interface 1 | CN6 | IR connector | J6 |
| Power LED & keylock | CN7 | 32-bit PCI slots | PC1 - PC4 |
| Speaker | CN8 | Cache slot | SL1 |
| Turbo switch | CN9 | USB connector | USB |

| USER CONFIGURABLE SETTINGS | | |
|---|---|---|
| **Function** | **Label** | **Position** |
| í Factory configured - do not alter | J8 | Unidentified |
| í Factory configured - do not alter | J13 | Unidentified |
| í Factory configured - do not alter | JP3 | Unidentified |
| í Factory configured - do not alter | JP6 | Unidentified |
| í Factory configured - do not alter | JP16 | Unidentified |

| DRAM/DIMM CONFIGURATION | | | |
|---|---|---|---|
| **Size** | **Bank 0** | **Bank 1** | **Bank 2** |
| 8MB | (2) 1M x 36 | None | None |
| 8MB | None | None | (1) 1M x 64 |
| 16MB | (2) 2M x 36 | None | None |
| 16MB | (2) 1M x 36 | (2) 1M x 36 | None |
| 16MB | None | None | (1) 2M x 64 |
| 24MB | (2) 1M x 36 | (2) 2M x 36 | None |
| 32MB | (2) 4M x 36 | None | None |
| 32MB | (2) 2M x 36 | (2) 2M x 36 | None |
| 40MB | (2) 1M x 36 | (2) 4M x 36 | None |
| 48MB | (2) 4M x 36 | (2) 2M x 36 | None |
| 64MB | (2) 8M x 36 | None | None |
| 64MB | (2) 4M x 36 | (2) 4M x 36 | None |
| 72MB | (2) 1M x 36 | (2) 8M x 36 | None |
| 80MB | (2) 8M x 36 | (2) 2M x 36 | None |
| 96MB | (2) 4M x 36 | (2) 8M x 36 | None |
| 128MB | (2) 8M x 36 | (2) 8M x 36 | None |
| Note: Board accepts EDO memory. Board also accepts x 32 SIMMs. Banks 0 & 1 are interchangeable. | | | |

| DIMM VOLTAGE CONFIGURATION | |
|---|---|
| **Voltage** | **JP8** |
| í 3.3v | Pins 3 & 5, 4 & 6 closed |
| 5v | Pins 1 & 3, 2 & 4 closed |

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| CACHE CONFIGURATION | | | |
|---|---|---|---|
| **Size** | **Bank 0** | **SL1** | **TAG** |
| 256KB (A) | (2) 32K x 32 | Not installed | (1) 8K/16K/32K x 8 |
| 256KB (B) | None | 256KB module installed | (1) 8K/16K/32K x 8 |
| 512KB (A) | (2) 64K x 32 | Not installed | (1) 16K/32K x 8 |
| 512KB (B) | None | 512KB module installed | (1) 16K/32K x 8 |
| 512KB (C) | (2) 32K x 32 | 256KB module installed | (1) 16K/32K x 8 |

| CACHE JUMPER CONFIGURATION | | | | |
|---|---|---|---|---|
| **Size** | **JP7** | **JP9** | **JP17** | **JP18** |
| 256KB (A) | Pins 1 & 2 closed | Pins 2 & 3 closed | Pins 2 & 3 closed | Pins 1 & 2 closed |
| 256KB (B) | Pins 1 & 2 closed | Pins 2 & 3 closed | Pins 2 & 3 closed | Pins 1 & 2 closed |
| 512KB (A) | Pins 2 & 3 closed | Pins 2 & 3 closed | Pins 2 & 3 closed | Pins 1 & 2 closed |
| 512KB (B) | Pins 2 & 3 closed | Pins 2 & 3 closed | Pins 2 & 3 closed | Pins 1 & 2 closed |
| 512KB (C) | Pins 2 & 3 closed | Pins 1 & 2 closed | Pins 2 & 3 closed | Pins 2 & 3 closed |

| CPU SPEED SELECTION (CYRIX) | | | | | | |
|---|---|---|---|---|---|---|
| **CPU speed** | **Clock speed** | **Multiplier** | **JP12** | **JP13** | **JP19** | **JP20** |
| 120MHz | 50MHz | 2x | Closed | Closed | Closed | Open |
| 133MHz | 55MHz | 2x | Open | Open | Closed | Open |
| 150MHz | 60MHz | 2x | Open | Closed | Closed | Open |
| 166MHz | 66MHz | 2x | Closed | Open | Closed | Open |

| CPU SPEED SELECTION (AMD) | | | | | | |
|---|---|---|---|---|---|---|
| **CPU speed** | **Clock speed** | **Multiplier** | **JP12** | **JP13** | **JP19** | **JP20** |
| 75MHz | 50MHz | 1.5x | Closed | Closed | Open | Open |
| 90MHz | 60MHz | 1.5x | Open | Closed | Open | Open |
| 100MHz | 60MHz | 1.5x | Closed | Open | Open | Open |
| 120MHz | 60MHz | 1.5x | Open | Closed | Open | Open |
| 133MHz | 66MHz | 1.5x | Closed | Open | Open | Open |
| 150MHz | 60MHz | 2x | Open | Closed | Closed | Open |
| 166MHz | 66MHz | 2x | Closed | Open | Closed | Open |

| CPU SPEED SELECTION (INTEL) | | | | | | |
|---|---|---|---|---|---|---|
| **CPU speed** | **Clock speed** | **Multiplier** | **JP12** | **JP13** | **JP19** | **JP20** |
| 75MHz | 50MHz | 1.5x | Closed | Closed | Open | Open |
| 90MHz | 60MHz | 1.5x | Open | Closed | Open | Open |
| 100MHz | 66MHz | 1.5x | Closed | Open | Open | Open |
| 120MHz | 60MHz | 2x | Open | Closed | Closed | Open |
| 133MHz | 66MHz | 2x | Closed | Open | Closed | Open |
| 150MHz | 60MHz | 2.5x | Open | Closed | Closed | Closed |
| 166MHz | 66MHz | 2.5x | Closed | Open | Closed | Closed |
| 180MHz | 60MHz | 3x | Open | Closed | Open | Closed |
| 200MHz | 66MHz | 3x | Closed | Open | Open | Closed |

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| CPU TYPE SELECTION | |
|---|---|
| **Type** | **J18** |
| í P54C | Pins 1 & 2, 3 & 4, 5 & 6 closed |
| P55C | Open |

| CPU VOLTAGE SELECTION | |
|---|---|
| **Voltage** | **J26** |
| í 3.3v | Pins 1 & 2, 3 & 4 closed |
| 3.45v | Pins 1 & 2 closed |
| 3.52v | Pins 3 & 4 closed |
| 3.6v | Open |

| SERIAL PORT SELECTION | | |
|---|---|---|
| **Setting** | **JP1** | **JP2** |
| í Used as COM2 | Pins 1 & 2 closed | Pins 1 & 2 closed |
| Used as IR connector | Pins 2 & 3 closed | Pins 2 & 3 closed |

| BIOS SELECTION | | |
|---|---|---|
| **Type** | **J14** | **J15** |
| EPROM | Pins 1 & 2 closed | Pins 1 & 2 closed |
| í 5v flash | Pins 1 & 2 closed | Pins 2 & 3 closed |
| 12v flash | Pins 2 & 3 closed | Pins 2 & 3 closed |