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

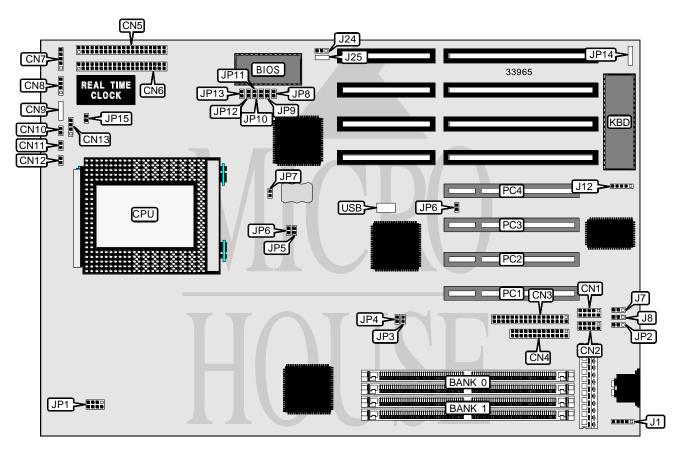| | |
|---|---|
| **Processor** | Pentium Pro |
| **Processor Speed** | 150/166/180/200MHz |
| **Chip Set** | Intel |
| **Video Chip Set** | None |
| **Maximum Onboard Memory** | 128MB (EDO supported) |
| **Maximum Video Memory** | None |
| **Cache** | 256/512KB (located on Pentium Pro CPU) |
| **BIOS** | 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), IR connector, USB connector |
| **NPU Options** | None |

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# INTEL 82440FX

| CONNECTIONS | | | |
|---|---|---|---|
| **Purpose** | **Location** | **Purpose** | **Location** |
| Serial port 1 | CN1 | Turbo LED | CN10 |
| Serial port 2 | CN2 | Reset switch | CN11 |
| Floppy drive interface | CN3 | Green PC connector | CN12 |
| Parallel port | CN4 | IDE interface LED | CN13 |
| IDE interface 2 | CN5 | PS/2 mouse interface | J1 |
| IDE interface 1 | CN6 | IR connector | J12 |
| Power LED & keylock | CN7 | 32-bit PCI slots | PC1 – PC4 |
| Speaker | CN8 | USB connector | USB |
| Turbo switch | CN9 | | |

| USER CONFIGURABLE SETTINGS | | |
|---|---|---|
| **Function** | **Label** | **Position** |
| Flash BIOS voltage select 12v | J24 | Pins 2 & 3 closed |
| Flash BIOS voltage select 5v | J24 | Pins 1 & 2 closed |
| ? Factory configured - do not alter | J25 | Unidentified |
| ? Factory configured - do not alter | JP7 | Open |
| ? Factory configured - do not alter | JP1 | Unidentified |
| ? Factory configured - do not alter | JP2 | Unidentified |
| ? Factory configured - do not alter | JP6 | Unidentified |
| ? Factory configured - do not alter | JP8 | Unidentified |
| ? Factory configured - do not alter | JP9 | Unidentified |
| ? Factory configured - do not alter | JP14 | Unidentified |
| ? CMOS memory normal operation | JP15 | Open |
| CMOS memory clear | JP15 | Closed |

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

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| CACHE CONFIGURATION |
| --- |
| Note:  256KB/512KB cache is located on the Pentium Pro CPU. |

| CPU SPEED SELECTION | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **CPU speed** | **Clock speed** | **Multiplier** | **JP3** | **JP4** | **JP5** | **JP6** |
| 150MHz | 60MHz | 2.5x | Closed | Open | Open | Closed |
| 166MHz | 66MHz | 2.5x | Open | Closed | Closed | Open |
| 180MHz | 60MHz | 3x | Closed | Open | Open | Closed |
| 200MHz | 66MHz | 3x | Open | Closed | Closed | Open |

| CPU SPEED SELECTION (CON'T) | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **CPU speed** | **Clock speed** | **Multiplier** | **JP10** | **JP11** | **JP12** | **JP13** |
| 150MHz | 60MHz | 2.5x | Closed | Closed | Closed | Open |
| 166MHz | 66MHz | 2.5x | Closed | Closed | Closed | Open |
| 180MHz | 60MHz | 3x | Closed | Closed | Open | Closed |
| 200MHz | 66MHz | 3x | Closed | Closed | Open | Closed |

| SERIAL PORT SELECTION | | |
| --- | --- | --- |
| **Setting** | **J7** | **J8** |
| í   Used as COM2 | Pins 1 & 2 closed | Pins 1 & 2 closed |
| Used as IR connector | Pins 2 & 3 closed | Pins 2 & 3 closed |