Device Type Mainboard

Processor CX 6X86/IBM 6X86/CX 6X86L/IBM 6X86L/CX 686MX/AM K5/

AM K6/Pentium/Pentium MMX

Processor Speed 90/100/120/133/150/166/180/200/233/266MHz

Chip SetSISVideo Chip SetNone

Maximum Onboard Memory 192MB (EDO & SDRAM supported)

Maximum Video MemoryNoneCache512KBBIOSAward

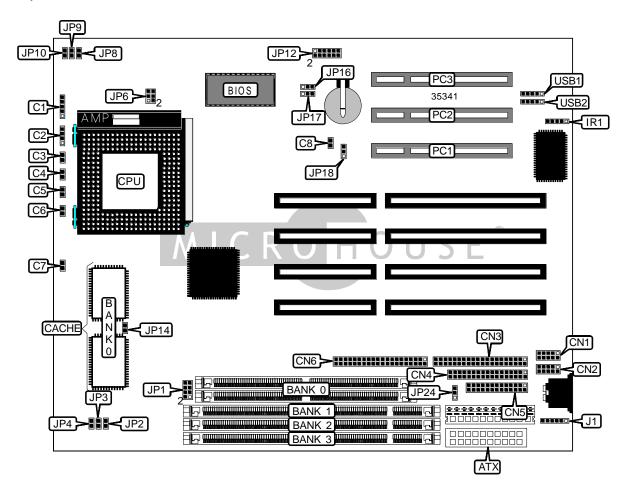
Dimensions 280mm x 220mm

I/O Options 32-bit PCI slots (3), floppy drive interface, IDE interfaces (2), parallel port, PS/2

mouse interface, serial ports (2), IR connector, USB connectors (2), ATX power

connector

NPU Options None



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| CONNECTIONS | | | | | | |
|-----------------------|----------|------------------------|-----------|--|--|--|
| Purpose | Location | Purpose | Location | | | |
| ATX power connector | ATX | Serial port 1 | CN2 | | | |
| Power LED & keylock | C1 | IDE interface 1 | CN3 | | | |
| Speaker | C2 | Floppy drive interface | CN4 | | | |
| Turbo switch | C3 | Parallel port | CN5 | | | |
| Turbo LED | C4 | IDE interface 2 | CN6 | | | |
| Reset switch | C5 | IR connector | IR1 | | | |
| PWRBT connector | C6 | PS/ mouse interface | J1 | | | |
| IDE interface LED | C7 | 32-bit PCI slots | PC1 – PC3 | | | |
| Soft off power supply | C8 | USB connector 1 | USB1 | | | |
| Serial port 2 | CN1 | USB connector 2 | USB2 | | | |

| | USER CONFIGURABLE SETTINGS | | | | | | |
|---|-----------------------------------|-------|-------------------|--|--|--|--|
| | Function | Label | Position | | | | |
| í | Factory configured - do not alter | JP10 | Unidentified | | | | |
| | CPU mode select togger | JP14 | Open | | | | |
| | CPU mode select linear | JP14 | Closed | | | | |
| í | CMOS memory normal operation | JP18 | Pins 1 & 2 closed | | | | |
| | CMOS memory clear | JP18 | Pins 2 & 3 closed | | | | |
| | On board video enabled | JP24 | Pins 2 & 3 closed | | | | |
| | On board video disabled | JP24 | Pins 1 & 2 closed | | | | |

| SIMM CONFIGURATION | | | | | | |
|---------------------------------|-------------|--|--|--|--|--|
| Size | Bank 0 | | | | | |
| 8MB | (2) 1M x 36 | | | | | |
| 16MB | (2) 2M x 36 | | | | | |
| 32MB | (2) 4M x 36 | | | | | |
| 64MB | (2) 8M x 36 | | | | | |
| Note: Board accepts EDO memory. | | | | | | |

| DIMM CONFIGURATION | | | | | | | |
|--------------------|-------------|-------------|-------------|--|--|--|--|
| Size | Bank 1 | Bank 2 | Bank 3 | | | | |
| 8MB | (1) 1M x 64 | None | None | | | | |
| 16MB | (1) 2M x 64 | None | None | | | | |
| 16MB | (1) 1M x 64 | (1) 1M x 64 | None | | | | |
| 24MB | (1) 2M x 64 | (1) 1M x 64 | None | | | | |
| 24MB | (1) 1M x 64 | (1) 1M x 64 | (1) 1M x 64 | | | | |
| 32MB | (1) 4M x 64 | None | None | | | | |

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| DIMM CONFIGURATION (CON'T) | | | | | | | |
|----------------------------|------------------------------|--------------------------------|-------------|--|--|--|--|
| Size | Bank 0 | Bank 1 | Bank 2 | | | | |
| 32MB | (1) 2M x 64 | (1) 1M x 64 | (1) 1M x 64 | | | | |
| 32MB | (1) 2M x 64 | (1) 2M x 64 | None | | | | |
| 40MB | (1) 4M x 64 | (1) 1M x 64 | None | | | | |
| 40MB | (1) 2M x 64 | (1) 2M x 64 | (1) 1M x 64 | | | | |
| 48MB | (1) 4M x 64 | (1) 1M x 64 | (1) 1M x 64 | | | | |
| 48MB | (1) 4M x 64 | (1) 2M x 64 | None | | | | |
| 48MB | (1) 2M x 64 | (1) 2M x 64 | (1) 2M x 64 | | | | |
| 56MB | (1) 4M x 64 | (1) 2M x 64 | (1) 1M x 64 | | | | |
| 64MB | (1) 8M x 64 | None | None | | | | |
| 64MB | (1) 4M x 64 | (1) 2M x 64 | (1) 2M x 64 | | | | |
| 64MB | (1) 4M x 64 | (1) 4M x 64 | None | | | | |
| 72MB | (1) 8M x 64 | (1) 1M x 64 | None | | | | |
| 72MB | (1) 4M x 64 | (1) 4M x 64 | (1) 1M x 64 | | | | |
| 80MB | (1) 8M x 64 | (1) 1M x 64 | (1) 1M x 64 | | | | |
| 80MB | (1) 8M x 64 | (1) 2M x 64 | None | | | | |
| 80MB | (1) 4M x 64 | (1) 4M x 64 | (1) 2M x 64 | | | | |
| 88MB | (1) 8M x 64 | (1) 2M x 64 | (1) 1M x 64 | | | | |
| 96MB | (1) 8M x 64 | (1) 2M x 64 | (1) 2M x 64 | | | | |
| 96MB | (1) 8M x 64 | (1) 4M x 64 | None | | | | |
| 96MB | (1) 4M x 64 | (1) 4M x 64 | (1) 4M x 64 | | | | |
| 104MB | (1) 8M x 64 | (1) 4M x 64 | (1) 1M x 64 | | | | |
| 112MB | (1) 8M x 64 | (1) 4M x 64 | (1) 2M x 64 | | | | |
| 128MB | (1) 8M x 64 | (1) 4M x 64 | (1) 4M x 64 | | | | |
| 128MB | (1) 8M x 64 | (1) 8M x 64 | None | | | | |
| 136MB | (1) 8M x 64 | (1) 8M x 64 | (1) 1M x 64 | | | | |
| 144MB | (1) 8M x 64 | (1) 8M x 64 | (1) 2M x 64 | | | | |
| 160MB | (1) 8M x 64 | (1) 8M x 64 | (1) 4M x 64 | | | | |
| 192MB | (1) 8M x 64 | (1) 8M x 64 | (1) 8M x 64 | | | | |
| lote: Board accepts SDR | AM memory. To use the on boa | rd VGA, bank 1 must be filled. | | | | | |

| DIMM VOLTAGE CONFIGURATION | | | | |
|----------------------------|--------------------------|--|--|--|
| Voltage JP1 | | | | |
| 3.3v | Pins 5 & 6, 7 & 8 closed | | | |
| 5v | Pins 1 & 2, 3 & 4 closed | | | |

| CACHE CONFIGURATION | | | | |
|---------------------|--------------|--|--|--|
| Size Bank 0 | | | | |
| 512KB | (2) 64K x 32 | | | |

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| CPU SPEED SELECTION (CX 6X86) | | | | | | | | |
|-------------------------------|-------------|------------|--------|--------|--------|------|--------|--|
| CPU speed | Clock speed | Multiplier | JP2 | JP3 | JP4 | JP8 | JP9 | |
| 133MHz | 55MHz | 2x | Closed | Closed | Open | Open | Closed | |
| 150MHz | 60MHz | 2x | Closed | Open | Open | Open | Closed | |
| 166MHz | 66MHz | 2x | Open | Open | Open | Open | Closed | |
| 200MHz | 75MHz | 2x | Open | Closed | Closed | Open | Closed | |

| CPU SPEED SELECTION (IBM 6X86) | | | | | | | | |
|--------------------------------|-------------|------------|--------|--------|--------|------|--------|--|
| CPU speed | Clock speed | Multiplier | JP2 | JP3 | JP4 | JP8 | JP9 | |
| 133MHz | 55MHz | 2x | Closed | Closed | Open | Open | Closed | |
| 150MHz | 60MHz | 2x | Closed | Open | Open | Open | Closed | |
| 166MHz | 66MHz | 2x | Open | Open | Open | Open | Closed | |
| 200MHz | 75MHz | 2x | Open | Closed | Closed | Open | Closed | |

| | CPU SPEED SELECTION (CX 6X86L) | | | | | | | |
|-----------|--------------------------------|------------|--------|--------|--------|------|--------|--|
| CPU speed | Clock speed | Multiplier | JP2 | JP3 | JP4 | JP8 | JP9 | |
| 133MHz | 55MHz | 2x | Closed | Closed | Open | Open | Closed | |
| 150MHz | 60MHz | 2x | Closed | Open | Open | Open | Closed | |
| 166MHz | 66MHz | 2x | Open | Open | Open | Open | Closed | |
| 200MHz | 75MHz | 2x | Open | Closed | Closed | Open | Closed | |

| CPU SPEED SELECTION (IBM 6X86L) | | | | | | | | |
|---------------------------------|-------------|------------|--------|--------|--------|------|--------|--|
| CPU speed | Clock speed | Multiplier | JP2 | JP3 | JP4 | JP8 | JP9 | |
| 133MHz | 55MHz | 2x | Closed | Closed | Open | Open | Closed | |
| 150MHz | 60MHz | 2x | Closed | Open | Open | Open | Closed | |
| 166MHz | 66MHz | 2x | Open | Open | Open | Open | Closed | |
| 200MHz | 75MHz | 2x | Open | Closed | Closed | Open | Closed | |

| CPU SPEED SELECTION (CX 6X86MX) | | | | | | | | |
|---------------------------------|-------------|------------|--------|--------|--------|--------|--------|--|
| CPU speed | Clock speed | Multiplier | JP2 | JP3 | JP4 | JP8 | JP9 | |
| 166MHz | 60MHz | 2.5x | Closed | Open | Open | Closed | Closed | |
| 200MHz | 66MHz | 2.5x | Open | Open | Open | Closed | Closed | |
| 233MHz | 66MHz | 3x | Open | Open | Open | Closed | Open | |
| 233MHz | 75MHz | 2.5x | Open | Closed | Closed | Closed | Closed | |
| 266MHz | 66MHz | 3.5x | Open | Open | Open | Open | Open | |
| 266MHz | 75MHz | 3x | Open | Closed | Closed | Closed | Open | |

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| | CPU SPEED SELECTION (AM K5) | | | | | | |
|-----------|-----------------------------|------------|--------|------|------|--------|--------|
| CPU speed | Clock speed | Multiplier | JP2 | JP3 | JP4 | JP8 | JP9 |
| 90MHz | 60MHz | 1.5x | Closed | Open | Open | Open | Open |
| 100MHz | 66MHz | 1.5x | Open | Open | Open | Open | Open |
| 166MHz | 66MHz | 2.5x | Open | Open | Open | Closed | Closed |

| | | СР | U SPEED SELE | ECTION (AM K6 |) | | |
|-----------|-------------|------------|--------------|---------------|------|--------|--------|
| CPU speed | Clock speed | Multiplier | JP2 | JP3 | JP4 | JP8 | JP9 |
| 166MHz | 66MHz | 2.5x | Open | Open | Open | Closed | Closed |
| 200MHz | 66MHz | 3x | Open | Open | Open | Closed | Open |
| 233MHz | 66MHz | 3.5x | Open | Open | Open | Open | Open |

| | CPU SPEED SELECTION (INTEL) | | | | | | |
|-----------|-----------------------------|------------|--------|------|------|--------|--------|
| CPU speed | Clock speed | Multiplier | JP2 | JP3 | JP4 | JP8 | JP9 |
| 90MHz | 60MHz | 1.5x | Closed | Open | Open | Open | Open |
| 100MHz | 66MHz | 1.5x | Open | Open | Open | Open | Open |
| 120MHz | 60MHz | 2x | Closed | Open | Open | Open | Closed |
| 133MHz | 66MHz | 2x | Open | Open | Open | Open | Closed |
| 150MHz | 60MHz | 2.5x | Closed | Open | Open | Closed | Closed |
| 166MHz | 66MHz | 2.5x | Open | Open | Open | Closed | Closed |
| 180MHz | 60MHz | 3x | Closed | Open | Open | Closed | Open |
| 200MHz | 66MHz | 3x | Open | Open | Open | Closed | Open |

| | CPU SPEED SELECTION (INTEL MMX) | | | | | | |
|-----------|---------------------------------|------------|------|------|------|--------|--------|
| CPU speed | Clock speed | Multiplier | JP2 | JP3 | JP4 | JP8 | JP9 |
| 166MHz | 66MHz | 2.5x | Open | Open | Open | Closed | Closed |
| 200MHz | 66MHz | 3x | Open | Open | Open | Closed | Open |
| 233MHz | 66MHz | 3.5x | Open | Open | Open | Open | Open |

| | CPU VOLTAGE SELECTION (SINGLE) | |
|---------|---------------------------------|-------------------|
| Voltage | JP6 | JP12 |
| 3.4v | Pins 1 & 2, 3 & 4, 5 & 6 closed | Pins 3 & 4 closed |
| 3.5v | Pins 1 & 2, 3 & 4, 5 & 6 closed | Pins 1 & 2 closed |

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| CPU VOLTAGE SELECTION (DUAL) | | | | | | |
|------------------------------|--------|------|---------------------|--|--|--|
| Voltage | V core | JP6 | JP12 | | | |
| 3.4v | 2.5v | Open | Pins 11 & 12 closed | | | |
| 3.4v | 2.8v | Open | Pins 9 & 10 closed | | | |
| 3.4v | 2.9v | Open | Pins 7 & 8 closed | | | |
| 3.4v | 3.2v | Open | Pins 5 & 6 closed | | | |

| | BIOS SELECTION | |
|--------|-------------------|-------------------|
| Туре | JP16 | JP17 |
| 1M/5v | Pins 1 & 2 closed | Pins 2 & 3 closed |
| 1M/12v | Pins 2 & 3 closed | Pins 2 & 3 closed |