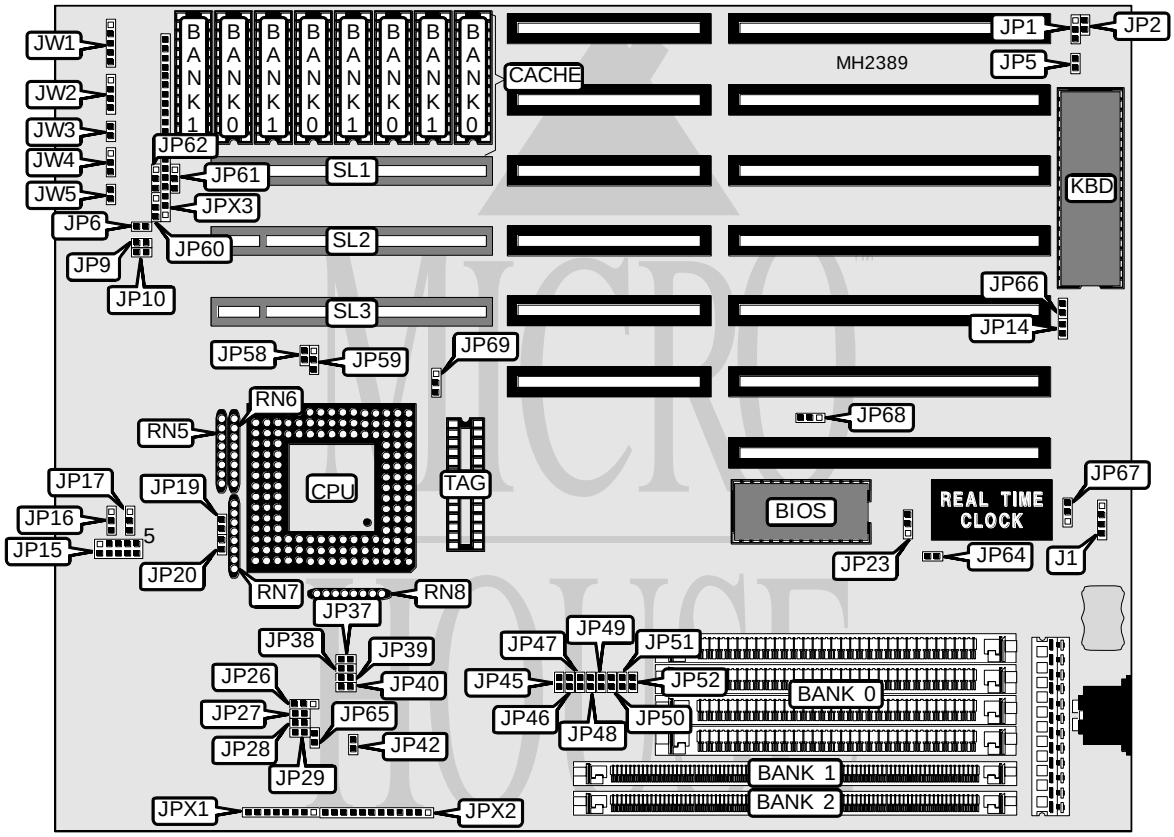
# ABIT COMPUTER CORPORATION
# P W 4 / P W 4 T

| | |
|---|---|
| **Processor** | 80486SX/CX486M7/AM486DX/80486DX/AM486DX2/80486DX2/AM486DX4/ 80486DX4 |
| **Processor Speed** | 20/25/33/40/50(internal)/66(internal)/75(internal)/100(internal)MHz |
| **Chip Set** | Unidentified |
| **Max. Onboard DRAM** | 192MB |
| **Cache** | 128/256/512/1024KB |
| **BIOS** | Award |
| **Dimensions** | 330mm x 218mm |
| **I/O Options** | 32-bit VESA local bus slots (3), green PC connector |
| **NPU Options** | None |




| CONNECTIONS | | | |
|---|---|---|---|
| Purpose | Location | Purpose | Location |
| External battery | J1 | Power LED & keylock | JW1 |
| Green PC connector | JP47 | Speaker | JW2 |
| Green PC connector | JP48 | Turbo LED | JW3 |
| Green PC connector | JP49 | Turbo switch | JW4 |
| Green PC connector | JP50 | Reset switch | JW5 |
| Green PC connector | JP51 | 32-bit VESA local bus slots | SL1 - SL3 |
| Green PC connector | JP52 | | |

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| USER CONFIGURABLE SETTINGS | | |
|---|---|---|
| Function | Jumper | Position |
| í Factory configured - do not alter | JP1 | pins 2 & 3 closed |
| í Factory configured - do not alter | JP2 | Open |
| í Monitor type select color | JP5 | Closed |
| Monitor type select monochrome | JP5 | Open |
| í Factory configured - do not alter | JP6 | Open |
| í Factory configured - do not alter | JP14 | Open |
| í CPU type select AMD/Cyrix/Intel | JP15 | pins 1 - 5 closed |
| CPU type select AMD486DX2 only | JP15 | pins 2 - 6 closed |
| í Factory configured - do not alter | JP16 | pins 2 & 3 closed |
| í Factory configured - do not alter | JP17 | pins 2 & 3 closed |
| í Factory configured - do not alter | JP19 | Open |
| í Factory configured - do not alter | JP23 | pins 2 & 3 closed |
| í Factory configured - do not alter | JP45 | Open |
| í Factory configured - do not alter | JP46 | Open |
| í Factory configured - do not alter | JP58 | Open |
| í Factory configured - do not alter | JP59 | Open |
| í Factory configured - do not alter | JP64 | Closed |
| í Factory configured - do not alter | JP66 | Open |
| í CMOS memory normal operation | JP67 | pins 1 & 2 closed |
| CMOS memory clear | JP67 | pins 2 & 3 closed |
| í Factory configured - do not alter | JP68 | Open |
| í Factory configured - do not alter | JP69 | Open |

| DRAM CONFIGURATION | | | |
|---|---|---|---|
| Size | Bank 0 | Bank 1 | Bank 2 |
| 1MB | (4) 256K x 9 | NONE | NONE |
| 1MB | NONE | (1) 256K x 36 | NONE |
| 1MB | NONE | NONE | (1) 256K x 36 |
| 2MB | (4) 256K x 9 | (1) 256K x 36 | NONE |
| 2MB | (4) 256K x 9 | (1) 256K x 36 | NONE |
| 2MB | NONE | (1) 256K x 36 | (1) 256K x 36 |
| 2MB | NONE | (1) 512K x 36 | NONE |
| 2MB | NONE | NONE | (1) 512K x 36 |
| 3MB | (4) 256K x 9 | (1) 512K x 36 | NONE |
| 3MB | (4) 256K x 9 | (1) 256K x 36 | (1) 256K x 36 |
| 3MB | (4) 256K x 9 | (1) 512K x 36 | NONE |
| 3MB | NONE | (1) 256K x 36 | (1) 512K x 36 |
| 4MB | (4) 1M x 9 | NONE | NONE |
| 4MB | NONE | (1) 1M x 36 | NONE |
| 4MB | NONE | (1) 512K x 36 | (1) 512K x 36 |
| 4MB | NONE | NONE | (1) 1M x 36 |
| 5MB | (4) 256K x 9 | (1) 1M x 36 | NONE |
| 5MB | (4) 1M x 9 | (1) 256K x 36 | NONE |

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# ABIT COMPUTER CORPORATION
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| DRAM CONFIGURATION (CON'T) | | | |
|---|---|---|---|
| Size | Bank 0 | Bank 1 | Bank 2 |
| 5MB | (4) 1M x 9 | (1) 256K x 36 | NONE |
| 5MB | (4) 256K x 9 | (1) 512K x 36 | (1) 512K x 36 |
| 5MB | NONE | (1) 256K x 36 | (1) 1M x 36 |
| 6MB | (4) 1M x 9 | (1) 512K x 36 | NONE |
| 6MB | (4) 1M x 9 | (1) 256K x 36 | (1) 256K x 36 |
| 6MB | (4) 256K x 9 | (1) 256K x 36 | (1) 1M x 36 |
| 6MB | (4) 1M x 9 | (1) 512K x 36 | NONE |
| 6MB | NONE | (1) 1M x 36 | (1) 512K x 36 |
| 8MB | (4) 1M x 9 | (1) 1M x 36 | NONE |
| 8MB | (4) 1M x 9 | (1) 512K x 36 | (1) 512K x 36 |
| 8MB | NONE | (1) 2M x 36 | NONE |
| 8MB | NONE | NONE | (1) 2M x 36 |
| 9MB | (4) 1M x 9 | (1) 256K x 36 | (1) 1M x 36 |
| 9MB | (4) 256K x 9 | (1) 1M x 36 | (1) 1M x 36 |
| 9MB | (4) 256K x 9 | (1) 2M x 36 | NONE |
| 11MB | (4) 256K x 9 | (1) 512K x 36 | (1) 2M x 36 |
| 12MB | (4) 1M x 9 | (1) 2M x 36 | NONE |
| 12MB | (4) 1M x 9 | (1) 1M x 36 | (1) 1M x 36 |
| 12MB | (4) 1M x 9 | (1) 2M x 36 | NONE |
| 12MB | NONE | (1) 1M x 36 | (1) 2M x 36 |
| 16MB | (4) 4M x 9 | NONE | NONE |
| 16MB | NONE | (1) 4M x 36 | NONE |
| 16MB | NONE | (1) 2M x 36 | (1) 2M x 36 |
| 16MB | NONE | NONE | (1) 4M x 36 |
| 17MB | (4) 256K x 9 | (1) 4M x 36 | NONE |
| 17MB | (4) 4M x 9 | (1) 256K x 36 | NONE |
| 17MB | (4) 256K x 9 | (1) 2M x 36 | (1) 2M x 36 |
| 17MB | NONE | (1) 256K x 36 | (1) 4M x 36 |
| 18MB | (4) 4M x 9 | (1) 512K x 36 | NONE |
| 18MB | (4) 4M x 9 | (1) 256K x 36 | (1) 256K x 36 |
| 18MB | (4) 256K x 9 | (1) 256K x 36 | (1) 4M x 36 |
| 18MB | (4) 4M x 9 | (1) 512K x 36 | NONE |
| 18MB | NONE | (1) 4M x 36 | (1) 512K x 36 |
| 20MB | (4) 1M x 9 | (1) 4M x 36 | NONE |
| 20MB | (4) 4M x 9 | (1) 1M x 36 | NONE |
| 20MB | (4) 1M x 9 | (1) 2M x 36 | (1) 2M x 36 |
| 20MB | (4) 4M x 9 | (1) 512K x 36 | (1) 512K x 36 |
| 20MB | NONE | (1) 1M x 36 | (1) 4M x 36 |
| 21MB | (4) 4M x 9 | (1) 256K x 36 | (1) 1M x 36 |

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# ABIT COMPUTER CORPORATION
# P W 4 / P W 4 T

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| DRAM CONFIGURATION (CON'T) | | | |
|---|---|---|---|
| Size | Bank 0 | Bank 1 | Bank 2 |
| 21MB | (4) 1M x 9 | (1) 256K x 36 | (1) 4M x 36 |
| 21MB | (4) 256K x 9 | (1) 1M x 36 | (1) 4M x 36 |
| 24MB | (4) 4M x 9 | (1) 2M x 36 | NONE |
| 24MB | (4) 4M x 9 | (1) 1M x 36 | (1) 1M x 36 |
| 24MB | (4) 1M x 9 | (1) 1M x 36 | (1) 4M x 36 |
| 24MB | (4) 4M x 9 | (1) 2M x 36 | NONE |
| 24MB | NONE | (1) 4M x 36 | (1) 2M x 36 |
| 32MB | (4) 4M x 9 | (1) 4M x 36 | NONE |
| 32MB | (4) 4M x 9 | (1) 2M x 36 | (1) 2M x 36 |
| 32MB | NONE | (1) 4M x 36 | (1) 4M x 36 |
| 32MB | NONE | (1) 8M x 36 | NONE |
| 32MB | NONE | NONE | (1) 8M x 36 |
| 33MB | (4) 256K x 9 | (1) 8M x 36 | NONE |
| 33MB | (4) 4M x 9 | (1) 256K x 36 | (1) 4M x 36 |
| 33MB | (4) 256K x 9 | (1) 4M x 36 | (1) 4M x 36 |
| 33MB | (4) 256K x 9 | (1) 8M x 36 | NONE |
| 33MB | NONE | (1) 256K x 36 | (1) 8M x 36 |
| 34MB | NONE | (1) 512K x 36 | (1) 8M x 36 |
| 35MB | (4) 256K x 9 | (1) 512K x 36 | (1) 8M x 36 |
| 36MB | (4) 1M x 9 | (1) 8M x 36 | NONE |
| 36MB | (4) 4M x 9 | (1) 1M x 36 | (1) 4M x 36 |
| 36MB | (4) 1M x 9 | (1) 4M x 36 | (1) 4M x 36 |
| 36MB | (4) 1M x 9 | (1) 8M x 36 | NONE |
| 36MB | NONE | (1) 1M x 36 | (1) 8M x 36 |
| 38MB | (4) 1M x 9 | (1) 512K x 36 | (1) 8M x 36 |
| 40MB | NONE | (1) 2M x 36 | (1) 8M x 36 |
| 41MB | (4) 256K x 9 | (1) 2M x 36 | (1) 8M x 36 |
| 44MB | (4) 1M x 9 | (1) 2M x 36 | (1) 8M x 36 |
| 48MB | (4) 4M x 9 | (1) 8M x 36 | NONE |
| 48MB | (4) 4M x 9 | (1) 4M x 36 | (1) 4M x 36 |
| 48MB | NONE | (1) 4M x 36 | (1) 8M x 36 |
| 56MB | (4) 4M x 9 | (1) 2M x 36 | (1) 8M x 36 |
| 64MB | (4) 16M x 9 | NONE | NONE |
| 64MB | NONE | (1) 16M x 36 | NONE |
| 64MB | NONE | (1) 8M x 36 | (1) 8M x 36 |
| 64MB | NONE | NONE | (1) 16M x 36 |
| 65MB | (4) 256K x 9 | (1) 16M x 36 | NONE |
| 65MB | (4) 16M x 9 | (1) 256K x 36 | NONE |
| 65MB | (4) 16M x 9 | (1) 256K x 36 | NONE |
| 65MB | (4) 256K x 9 | (1) 8M x 36 | (1) 8M x 36 |
| 65MB | NONE | (1) 256K x 36 | (1) 16M x 36 |
| 66MB | (4) 16M x 9 | (1) 512K x 36 | NONE |

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# ABIT COMPUTER CORPORATION
# P W 4 / P W 4 T

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| DRAM CONFIGURATION (CON'T) | | | |
|---|---|---|---|
| Size | Bank 0 | Bank 1 | Bank 2 |
| 66MB | (4) 16M x 9 | (1) 256K x 36 | (1) 256K x 36 |
| 66MB | (4) 256K x 9 | (1) 256K x 36 | (1) 16M x 36 |
| 66MB | (4) 16M x 9 | (1) 512K x 36 | NONE |
| 66MB | NONE | (1) 16M x 36 | (1) 512K x 36 |
| 68MB | (4) 1M x 9 | (1) 16M x 36 | NONE |
| 68MB | (4) 16M x 9 | (1) 1M x 36 | NONE |
| 68MB | (4) 1M x 9 | (1) 8M x 36 | (1) 8M x 36 |
| 68MB | (4) 16M x 9 | (1) 512K x 36 | (1) 512K x 36 |
| 68MB | NONE | (1) 1M x 36 | (1) 16M x 36 |
| 69MB | (4) 16M x 9 | (1) 256K x 36 | (1) 1M x 36 |
| 69MB | (4) 1M x 9 | (1) 256K x 36 | (1) 16M x 36 |
| 69MB | (4) 256K x 9 | (1) 1M x 36 | (1) 16M x 36 |
| 72MB | (4) 16M x 9 | (1) 2M x 36 | NONE |
| 72MB | (4) 16M x 9 | (1) 1M x 36 | (1) 1M x 36 |
| 72MB | (4) 1M x 9 | (1) 1M x 36 | (1) 16M x 36 |
| 72MB | (4) 16M x 9 | (1) 2M x 36 | NONE |
| 72MB | NONE | (1) 16M x 36 | (1) 2M x 36 |
| 74MB | (4) 16M x 9 | (1) 512K x 36 | (1) 2M x 36 |
| 80MB | (4) 4M x 9 | (1) 16M x 36 | NONE |
| 80MB | (4) 16M x 9 | (1) 4M x 36 | NONE |
| 80MB | (4) 16M x 9 | (1) 2M x 36 | (1) 2M x 36 |
| 81MB | (4) 16M x 9 | (1) 256K x 36 | (1) 4M x 36 |
| 81MB | (4) 4M x 9 | (1) 256K x 36 | (1) 16M x 36 |
| 81MB | (4) 256K x 9 | (1) 4M x 36 | (1) 16M x 36 |
| 84MB | (4) 16M x 9 | (1) 1M x 36 | (1) 4M x 36 |
| 84MB | (4) 4M x 9 | (1) 1M x 36 | (1) 16M x 36 |
| 84MB | (4) 1M x 9 | (1) 4M x 36 | (1) 16M x 36 |
| 96MB | (4) 16M x 9 | (1) 8M x 36 | NONE |
| 96MB | (4) 4M x 9 | (1) 4M x 36 | (1) 16M x 36 |
| 96MB | NONE | (1) 16M x 36 | (1) 8M x 36 |
| 128MB | (4) 16M x 9 | (1) 16M x 36 | NONE |
| 128MB | (4) 16M x 9 | (1) 8M x 36 | (1) 8M x 36 |
| 128MB | NONE | (1) 16M x 36 | (1) 16M x 36 |
| 129MB | (4) 16M x 9 | (1) 256K x 36 | (1) 16M x 36 |
| 129MB | (4) 256K x 9 | (1) 16M x 36 | (1) 16M x 36 |
| 132MB | (4) 16M x 9 | (1) 1M x 36 | (1) 16M x 36 |
| 132MB | (4) 1M x 9 | (1) 16M x 36 | (1) 16M x 36 |
| 144MB | (4) 16M x 9 | (1) 4M x 36 | (1) 16M x 36 |
| 144MB | (4) 4M x 9 | (1) 16M x 36 | (1) 16M x 36 |
| 192MB | (4) 16M x 9 | (1) 16M x 36 | (1) 16M x 36 |

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# ABIT COMPUTER CORPORATION
# P W 4 / P W 4 T

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| CACHE CONFIGURATION | | | |
|---|---|---|---|
| Size | Bank 0 | Bank 1 | TAG |
| 128KB | (4) 32K x 8 | NONE | (1) 32K x 8 |
| 256KB | (4) 32K x 8 | (4) 32K x 8 | (1) 32K x 8 |
| 256KB | (4) 64K x 8 | NONE | (1) 64K x 8 |
| 512KB | (4) 64K x 8 | (4) 64K x 8 | (1) 64K x 8 |
| 512KB | (4) 128K x 8 | NONE | (1) 128K x 8 |
| 1MB | (4) 128K x 8 | (4) 128K x 8 | (1) 128K x 8 |

| CACHE JUMPER CONFIGURATION | | | | |
|---|---|---|---|---|
| Size | JP60 | JP61 | JP62 | JPX3 |
| 128KB | pins 2 & 3 closed | pins 1 & 2 closed | pins 2 & 3 closed | pins 9 - 16 closed |
| 256KB | pins 2 & 3 closed | pins 1 & 2 closed | pins 2 & 3 closed | pins 13 - 20 closed |
| 256KB | pins 2 & 3 closed | pins 2 & 3 closed | pins 2 & 3 closed | pins 3 - 10 closed |
| 512KB | pins 2 & 3 closed | pins 1 & 2 closed | pins 2 & 3 closed | pins 1 - 8 closed |
| 512KB | pins 2 & 3 closed | pins 1 & 2 closed | pins 2 & 3 closed | pins 3 - 10 closed |
| 1MB | pins 1 & 2 closed | pins 1 & 2 closed | pins 1 & 2 closed | pins 1 - 8 closed |

| CPU TYPE CONFIGURATION | | | | | |
|---|---|---|---|---|---|
| Type | JP37 | JP38 | JP39 | JP40 | RN8 |
| 80486SX | Open | Open | Open | Open | Installed |
| SL80486SX | Open | Open | Open | Open | Installed |
| CX486M7 | Open | Open | Open | Open | Installed |
| AM486DX/DX2 | Open | Open | Open | Open | Installed |
| 80486DX/DX2 | Open | Open | Open | Open | Installed |
| SL80486DX/DX2 | Open | Open | Open | Open | Installed |
| AM486DX2/DX4 | Open | 1 & 2 | Open | 1 & 2 | Not installed |
| CX486DX2-50 | 1 & 2 | Open | Open | Open | Not installed |
| CX486DX2-66 | Open | Open | 1 & 2 | Open | Not installed |
| CX486DX2-80 | Open | Open | Open | 1 & 2 | Not installed |
| 80486DX4-75 | 1 & 2 | Open | Open | Open | Not installed |
| 80486DX4-100 | Open | 1 & 2 | Open | 1 & 2 | Not installed |
| Note: Pins designated should be in the closed position. | | | | | |

| CPU TYPE CONFIGURATION (CON'T) | | | | | |
|---|---|---|---|---|---|
| Type | RN5 | RN6 | RN7 | JP20 | JP26 |
| 80486SX | Not installed | Installed | Not installed | Closed | 1 & 2 |
| SL80486SX | Not installed | Installed | Not installed | Closed | 1 & 2 |
| CX486M7 | Installed | Not installed | Installed | Open | 1 & 2 |
| AM486DX/DX2 | Not installed | Installed | Installed | Open | 1 & 2 |
| 80486DX/DX2 | Not installed | Installed | Installed | Open | 1 & 2 |
| SL80486DX/DX2 | Not installed | Installed | Installed | Open | 1 & 2 |
| 80486DX4 | Not installed | Installed | Installed | Open | Open |
| Note: Pins designated should be in the closed position. | | | | | |

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# ABIT COMPUTER CORPORATION
# P W 4 / P W 4 T

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| CPU TYPE CONFIGURATION (CON'T) | | | | |
|---|---|---|---|---|
| Type | JP42 | JP65 | JPX1 | JPX2 |
| 80486SX | Open | Open | pins 5 - 12 closed | Open |
| SL80486SX | Closed | Open | pins 5 - 12 closed | Open |
| CX486M7 | Closed | Closed | pins 1 - 8 closed | pins 1 - 8 closed |
| AM486DX/DX2 | Open | Closed | pins 5 - 12 closed | Open |
| 80486DX/DX2 | Open | Closed | pins 5 - 12 closed | Open |
| SL80486DX/DX2 | Closed | Closed | pins 5 - 12 closed | Open |
| 80486DX4 | Closed | Closed | pins 5 - 12 closed | Open |

| CPU SPEED CONFIGURATION(AVASEM AV9107 CLOCK GENERATOR) | | | |
|---|---|---|---|
| Speed | JP27 | JP28 | JP29 |
| 20MHz | Open | Open | Closed |
| 25MHz | Closed | Open | Closed |
| 33MHz | Open | Closed | Closed |
| 40MHz | Closed | Open | Open |
| 50iMHz | Closed | Open | Closed |
| 66iMHz | Open | Closed | Closed |
| 75iMHz | Closed | Open | Closed |
| 80iMHz | Closed | Open | Open |
| 100iMHz | Open | Closed | Closed |

| CPU SPEED CONFIGURATION(MXIC MX8315/WINBOND W83C17 CLOCK GENERATOR) | | | |
|---|---|---|---|
| Speed | JP27 | JP28 | JP29 |
| 20MHz | Open | Open | Open |
| 25MHz | Open | Open | Closed |
| 33MHz | Closed | Closed | Closed |
| 40MHz | Open | Closed | Closed |
| 50iMHz | Open | Open | Closed |
| 66iMHz | Closed | Closed | Closed |
| 75iMHz | Open | Open | Closed |
| 80iMHz | Open | Closed | Closed |
| 100iMHz | Closed | Closed | Closed |

| VESA WAIT STATE CONFIGURATION | |
|---|---|
| Wait states | JP9 |
| 0 wait states | Open |
| 1 wait state | Closed |

| BUS SPEED CONFIGURATION | |
|---|---|
| CPU speed | JP10 |
| <= 33MHz | Open |
| > 33MHz | Closed |