# IWILL CORPORATION

## VD100

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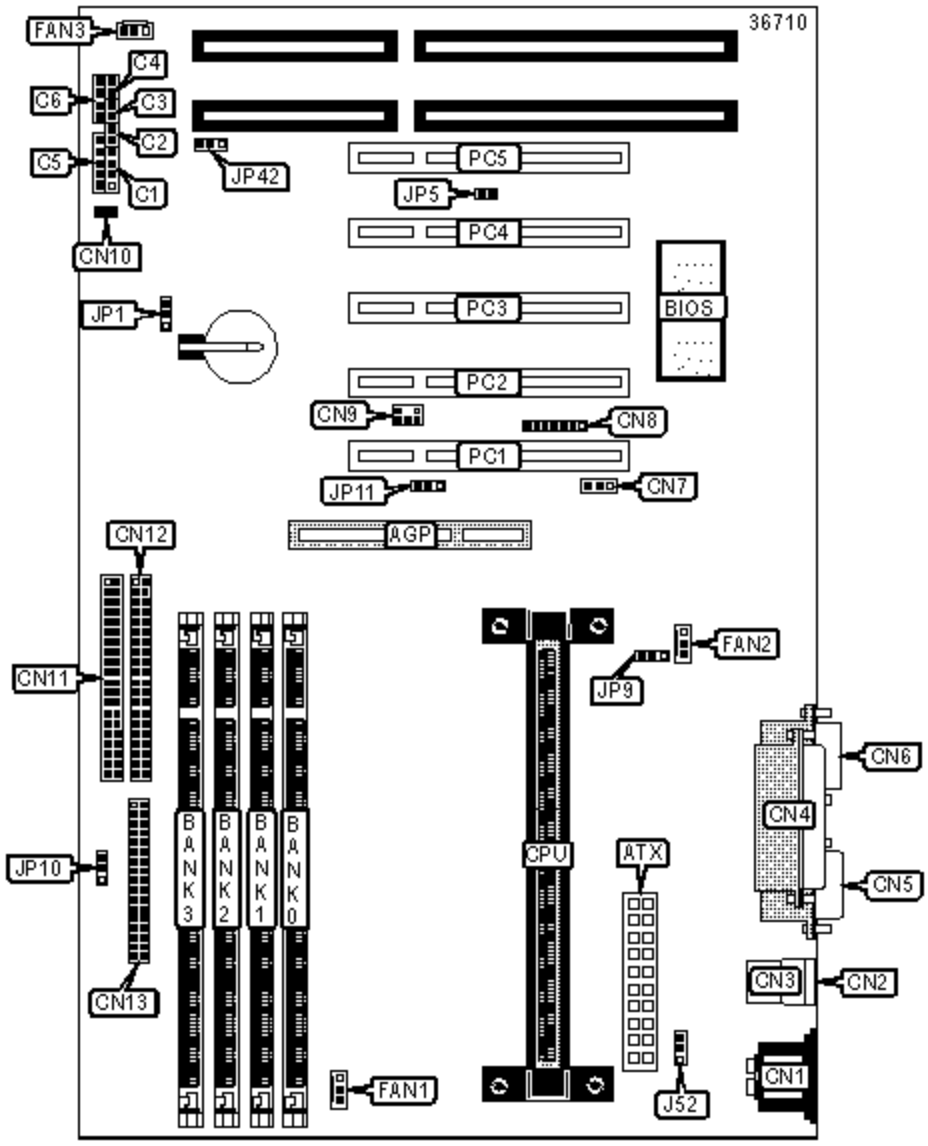
|---|---|
| **Device Type** | Mainboard |
| **Processor** | Celeron/Pentium II/Pentium III |
| **Processor Speed** | 233/266/300/333/350/366/400/433/450/466/500/550MHz |
| **Chip Set** | VIA |
| **Maximum Onboard Memory** | 1GB (EDO & SDRAM supported) |
| **Cache** | 0/128/256/512KB (located on the CPU) |
| **BIOS** | Award |
| **Dimensions** | 188mm x 305mm |
| **I/O Options** | 32-bit PCI slots (5), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB ports (2), ATX power connector, AGP slot, Wake-on LAN connector, SB-Link connector |




| CONNECTIONS | | | |
|---|---|---|---|
| **Purpose** | **Location** | **Purpose** | **Location** |
| AGP slot | AGP | Serial port 2 | CN6 |
| ATX power connector | ATX | Wake-on LAN connector | CN7 |

| | | | |
|---|---|---|---|
| ACPI LED connector | C1 | IR connector | CN8 |
| IDE interface LED | C2 | SB-Link connector | CN9 |
| Unidentified | C3 | Power switch | CN10 |
| Reset switch | C4 | IDE interface 1 | CN11 |
| Power LED & keylock | C5 | IDE interface 2 | CN12 |
| Speaker | C6 | Floppy drive interface | CN13 |
| PS/2 mouse port | CN1 | CPU fan power | FAN1 |
| USB port 1 | CN2 | System fan power | FAN2 |
| USB port 2 | CN3 | System fan power | FAN3 |
| Parallel port | CN4 | 32-bit PCI slots | PC1 - PC5 |
| Serial port 1 | CN5 | | |

| USER CONFIGURABLE SETTINGS | | | |
|---|---|---|---|
| **Function** | | **Label** | **Position** |
| » | PS/2 power-on disabled | J52 | Pins 1 & 2 closed |
| | PS/2 power-on enabled | J52 | Pins 2 & 3 closed |
| » | CMOS memory normal operation | JP1 | Pins 1 & 2 closed |
| | CMOS memory clear | JP1 | Pins 2 & 3 closed |
| | Factory configured - do not alter | JP5 | Unidentified |
| » | CPU frequency is 100MHz | JP11 | Pins 1 & 2 closed |
| | CPU frequency is 66MHz | JP11 | Pins 2 & 3 closed |
| | Keyboard power-on password enabled | JP42 | Pins 1 & 2 closed |
| | Clear keyboard power-on password | JP42 | Pins 2 & 3 closed |

| DIMM CONFIGURATION | | | | |
|---|---|---|---|---|
| **Size** | **Bank 0** | **Bank 1** | **Bank 2** | **Bank 3** |
| 8MB | (1) 1M x 64 | None | None | None |

| | | | | |
|---|---|---|---|---|
| 16MB | (1) 1M x 64 | (1) 1M x 64 | None | None |
| 16MB | (1) 2M x 64 | None | None | None |
| 24MB | (1) 1M x 64 | (1) 1M x 64 | (1) 1M x 64 | None |
| 32MB | (1) 1M x 64 | (1) 1M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 32MB | (1) 2M x 64 | (1) 2M x 64 | None | None |
| 32MB | (1) 4M x 64 | None | None | None |
| 48MB | (1) 2M x 64 | (1) 2M x 64 | (1) 2M x 64 | None |
| 64MB | (1) 2M x 64 | (1) 2M x 64 | (1) 2M x 64 | (1) 2M x 64 |
| 64MB | (1) 4M x 64 | (1) 4M x 64 | None | None |
| 64MB | (1) 8M x 64 | None | None | None |
| 80MB | (1) 4M x 64 | (1) 4M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 96MB | (1) 4M x 64 | (1) 4M x 64 | (1) 4M x 64 | None |
| 96MB | (1) 4M x 64 | (1) 4M x 64 | (1) 2M x 64 | (1) 2M x 64 |
| 128MB | (1) 4M x 64 | (1) 4M x 64 | (1) 4M x 64 | (1) 4M x 64 |
| 128MB | (1) 8M x 64 | (1) 8M x 64 | None | None |
| 128MB | (1) 16M x 64 | None | None | None |
| 144MB | (1) 8M x 64 | (1) 8M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 160MB | (1) 8M x 64 | (1) 8M x 64 | (1) 2M x 64 | (1) 2M x 64 |
| 192MB | (1) 8M x 64 | (1) 8M x 64 | (1) 8M x 64 | None |
| 192MB | (1) 8M x 64 | (1) 8M x 64 | (1) 4M x 64 | (1) 4M x 64 |
| 256MB | (1) 8M x 64 | (1) 8M x 64 | (1) 8M x 64 | (1) 8M x 64 |
| 256MB | (1) 16M x 64 | (1) 16M x 64 | None | None |
| 256MB | (1) 32M x 64 | None | None | None |
| 272MB | (1) 16M x 64 | (1) 16M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 288MB | (1) 16M x 64 | (1) 16M x 64 | (1) 2M x 64 | (1) 2M x 64 |
| 320MB | (1) 16M x 64 | (1) 16M x 64 | (1) 4M x 64 | (1) 4M x 64 |
| 384MB | (1) 16M x 64 | (1) 16M x 64 | (1) 16M x 64 | None |
| 384MB | (1) 16M x 64 | (1) 16M x 64 | (1) 8M x 64 | (1) 8M x 64 |
| 512MB | (1) 16M x 64 | (1) 16M x 64 | (1) 16M x 64 | (1) 16M x 64 |

| | | | | |
|---|---|---|---|---|
| 512MB | (1) 32M x 64 | (1) 32M x 64 | None | None |
| 528MB | (1) 32M x 64 | (1) 32M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 544MB | (1) 32M x 64 | (1) 32M x 64 | (1) 2M x 64 | (1) 2M x 64 |
| 576MB | (1) 32M x 64 | (1) 32M x 64 | (1) 4M x 64 | (1) 4M x 64 |
| 640MB | (1) 32M x 64 | (1) 32M x 64 | (1) 8M x 64 | (1) 8M x 64 |
| 768MB | (1) 32M x 64 | (1) 32M x 64 | (1) 32M x 64 | None |
| 768MB | (1) 32M x 64 | (1) 32M x 64 | (1) 16M x 64 | (1) 16M x 64 |
| 1024MB | (1) 32M x 64 | (1) 32M x 64 | (1) 32M x 64 | (1) 32M x 64 |

Note: Board supports EDO & SDRAM memory.

Note: EDO & SDRAM can not be mixed.

| VCORE SELECTION | | |
|---|---|---|
| **Setting** | | **JP9** |
| » | Automatic Vcore voltage is generated | Open |
| | Voltage to Vcore is increased by 5% | Pins 1 & 2 closed |
| | Voltage to Vcore is increased by 10% | Pins 2 & 3 closed |

| VIO SELECTION | | |
|---|---|---|
| **Setting** | | **JP10** |
| » | VIO is 3.5V | Open |
| | VIO is 3.6V | Pins 1 & 2 closed |
| | VIO is 3.8V | Pins 2 & 3 closed |

| CACHE CONFIGURATION |
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| Note: 256/512KB cache is located on the Pentium II & Pentium III CPUs. 128KB cache is located on the Celeron 300A and greater CPUs. |