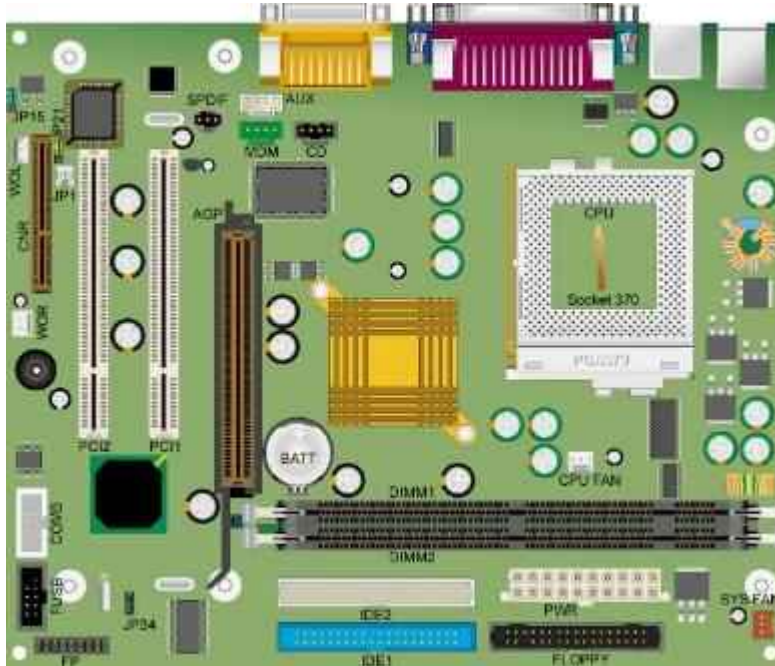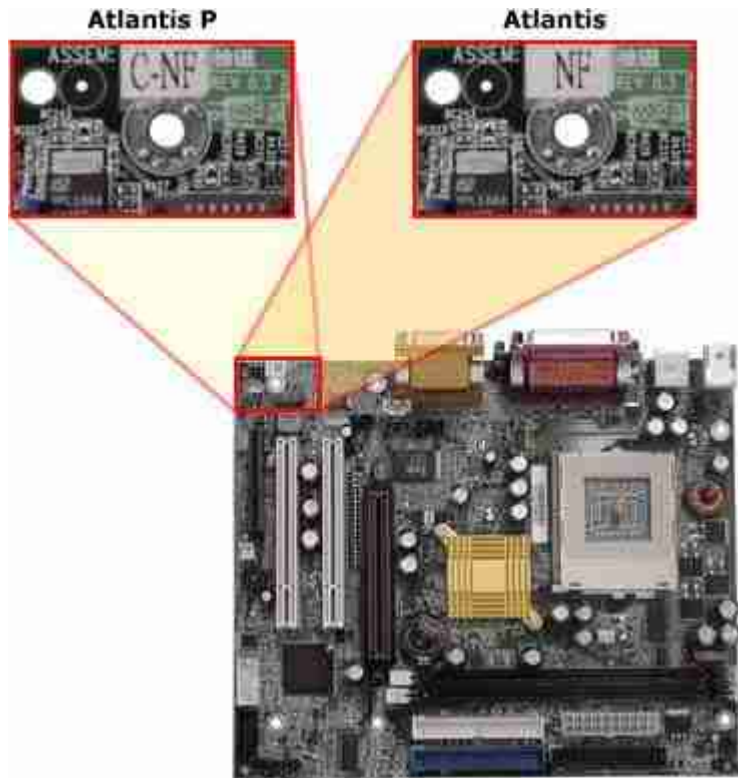# Packard Bell Atlantis M/Board

Note - The Atlantis motherboard is almost equal to the Atlantis P motherboard. The difference lies in the chipsets.

The Atlantis motherboard has the Intel 815E Chipset, featuring integrated video using Dynamic Video Memory Technology (DVMT) as well as an AGP slot for add-on AGP 4x video cards. The Atlantis P motherboard has the Intel 815EP chipset. The added P means that the chipset has no integrated video like the 815E chipset, only an AGP port for add-on AGP 4x video cards.

You will not be able to see the difference between the motherboards from the connectors on the back. As they have identical lay-outs you will find a video connector on both motherboards. The video connector on the Atlantis motherboard can be used to connect the monitor, but the video connector on the Atlantis P is not functional and will be covered in production with a small plastic cap.

Another difference is a label on the motherboard: The code C-NF specifies the Atlantis P motherboard and the code NF the Atlantis motherboard

Specification

- **Audio :** Sigmatel STAC9756T-audio codec
- **BIOS :** AMI
- **Chipset :** Intel 815E chipset consisting of the 82815 Memory Controller Hub (MCH) and the 82801AB I/O Controller Hub (ICH2).
- **CPU Support :** Socket 370
  - Supports Intel Celeron FC-PGA (Flip-Chip-pin Grid Array) - 533/66 to 766/66 MHz, 800/100 MHz, 850/100 MHz & 900/100 MHz
  - Supports Intel PIII Coppermine FC-PGA (Flip-Chip-pin Grid Array) - 600/100 to 850/100 MHz, 800/133 to 1133/133 MHz
  - Supports Intel PIII Tualatin FC-PGA II - 1133/133 to 1266/133 MHz
  - Supports 32-bit AGTL or AGTL+ bus addressing (no support for 36-bit address extension)
  - 66/100/133 MHz host bus speed processors are supported.
- **Form Factor :** ATX 22.8 x 19.0 cm Form Factor
- **RAM :**
  - Supports 2 memory banks using two 168-pin unbuffered DIMM.
  - Supports up to 2 double-sided DIMMs at a clock speed of 100 MHz.
  - Supports up to 2 double-sided or 2 single-sided DIMMs at a clock speed of 133 MHz.
  - Supports a maximum memory size of 512 MB (128-bit technology) or 256 MB (64-bit technology) for SDRAM.
  - Supports only 3.3 V SDRAM DIMMs with gold-plated contacts.
  - ECC memory checking is not supported

Jumpers

Jumper	Configuration
JP15 - Safe Mode/Recovery/Normal	**1-2**: Normal (default)

selection	**2-3**: Safe Mode (restores safe values and automatically loads the BIOS setup on boot) **Open**: Recovery (used only to flash a corrupted BIOS)
JP11 - Suspend to RAM	**Open** : Disable Suspend to RAM (default) **Close** : Enable Suspend to RAM
JP21 - Top Block Jumper	**1-2 Close**: unlock (Default) **1-2 Open**: lock (impossible to reflash boot block)