

The Pentium® III processor compatibility checklist with the Intel® 440BX AGP platform.

The following considerations need to be taken into account to ensure a smooth transition from a Pentium® II processor based platform to a Pentium III processor based platform.

Note: Some of the OEM vendor's components may or may not support all of the following requirements. Check with your OEM vendor on their current policy on such upgrades.

1. Voltage Regulation

Insure the motherboard is capable of supplying the appropriate voltage and current required by the Pentium® III processor. Refer to the processor datasheet for exact processor specifications.

2. Thermals

Insure the system/heatsink is capable of cooling the power dissipated by the Pentium® III processor. Refer to the processor datasheet for exact processor specifications.

3. Packaging

Insure the retention mechanism (RM) and heatsink are compatible with the packaging of the Pentium® III processor (SECC or SECC2).

4. BIOS

Upgrade the system BIOS to one that is designed for the Pentium® III processor. Upgrading the BIOS will ensure the processor to be correctly identified as a Pentium III processor instead of a Pentium II processor. It is also possible for the BIOS code to contain workarounds for some errata. Installing the latest applicable Pentium III processor BIOS will ensure nonoccurrence of such errata.

5. New Processor Features

- Processor serial number:
A Control utility to turn the processor serial number feature ON/OFF can be located at URL (will be available 2/24).
<http://developer.intel.com/design/pentiumiii/psover.htm>
- Internet Streaming SIMD Extensions:
Internet streaming SIMD extensions enhance 3D graphics, audio and other rich media data types. Operating system support and software optimized for the Pentium® III processor is required to take full advantage of the Internet Streaming SIMD Extensions.
- Additional information on the above features is available at
<http://developer.intel.com/design/pentiumiii/details.htm>