



# Technical Bulletin

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SUBJECT: DXM1200C Chipset Compatibility

## DXM1200C CHIPSET COMPATIBILITY

When developing technology hardware, it is often impossible to predict future changes to popular configurations that may cause equipment conflicts. Please note that Nikon has identified some incompatibilities between the DXM1200C PCI board and various processor chipsets. The conflict generally is not with the actual CPU itself but with the controllers on the motherboard most often termed as chipsets. This difference is important to recognize so that, for instance, an Intel Pentium D 945 *processor* is not confused with an Intel 945-series *chipset*. The chipset may also be referred to as the Northbridge and Southbridge, or I/O and Memory Hubs.

Nikon cannot guarantee proper operation of the DXM1200C when used with any of the Intel 965 series of chipsets. Please note that this incompatible chipset is utilized in the Dell Optiplex 745 series of workstations. Additionally, Nikon does not currently recommend attempting to use the DXM1200C in conjunction with multiple processors, 64-bit operating systems, or Xeon processors. Compatibility with dual-core processors such as the Intel Core 2 Duo series has been confirmed as long as the chipset specification is met. Quad-core processors are untested at this time. Non-Intel chipsets are untested.

In practice, there are many DXM1200C cameras running on many different systems. At this time, we have seen no problems with newer Intel 945-series, 955-series, or 975-series chipsets. There have also been no reported problems with slightly older chipsets such as the Intel 865-series and other Hyperthreading-enabled chipsets. Nonetheless, **please recognize that Nikon can only guarantee compatibility with Nikon-certified workstations.** Nikon will also guarantee proper operation of the DXM1200C when used with specific HP models xw4300 or xw4400.

These compatibility considerations are becoming increasingly important to recognize so that our sales force, dealer network, and customer base can be properly informed. Nikon will continue to update these notifications as new information becomes available.

*Please note that this chart is only a guideline. Not all configurations are supported. These chipsets are not guaranteed unless included in a Nikon-certified workstation.*

Recommended chipsets	Not Recommended
Intel 975X	Intel 965 series
Intel 955X	Intel 5000 series
Intel 865PE	Non-Intel (ATI, nVidia, etc.)