intel®Technical Advisory

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Pentium® III processors operating at 600E MHz and faster are not supported on early L440GX+ server boards

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Products Affected
BOXL440GX MM# 819808, LWBBS MM# 824999, LWBB MM# 819812

Description
L440GX+ server boards having a PBA# of 704293-40x and earlier or an AA# of 721242-007 or earlier (where x is any number and earlier boards will have a smaller dash number) will not support Pentium III processors operating at 600E MHz and faster. The PBA or AA number can be found on a white adhesive label near the edge of the component side of the server board below the ISA connector. Older L440GX+ boards will support Pentium III processors operating at frequencies up to and including 600 MHz. (Note: There are two Pentium III processors that operate at 600 MHz with a 100MHz front side bus, they are labeled 600 and 600E)

600E MHz Pentium III processors and faster will only be supported on L440GX+ server boards having a PBA# 704293-50x and later or AA# of 721242-008 and later. Supported product codes and MM numbers include:
BOXL440GXC MM# 825642 and LWBBS MM# 825452.

Although the faster Pentium III processors will physically fit onto the older L440GX+ server boards, they will produce an unstable server platform and may cause damage to either the server board and/or the processor when used in the older L440GX+ boards. Having a Pentium III processor operating at 600E MHz or faster in the specified older revisions of the L440GX+ server board is **NOT** a supported configuration.

Root Cause
The specified older revisions of the L440GX+ server board do not have the necessary Voltage Regulation Module (VRM) changes needed to support the faster Pentium III processors.

Please contact your Intel Sales Representative if you require more specific information about this issue.

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