

# intel® Technical Advisory

TA-2003-3

15220 NW Greenbrier Parkway  
Beaverton, OR 97006

December 12, 2001

## Support for Intel® Pentium® III Processors Speeds Above 700 MHz

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### Products Affected

ISP1100

### Description

Intel completed the validation of a drop in baffling thermal solution with the ISP1100 to enable the use of Intel Pentium® III processors running at 700 MHz and above. The ISP1100 does not support the Pentium® III processor above 850 MHz. The thermal processor baffling solution must be used when running the ISP1100 with clock speeds between 700 MHz and 850 MHz. Running the system **without** the thermal baffling at processor speeds of 800 MHz and 850 MHz will void warranty support. Running the system **without** the thermal baffling at processor speeds above 700 MHz for some processors will void warranty support.

### Root Cause

Due to chassis thermal limitations a drop in baffling solution is needed to direct additional airflow over the CPU for cooling when running processor speeds above 700 MHz.

### Corrective Action / Resolution

Intel includes an air baffle with each ISP1100 1U Server Platform.

The air baffle solution is required the following S-spec Pentium III ® and Celeron™ processors running above 700MHz:

|              |          |
|--------------|----------|
| Pentium III® | Celeron™ |
| SL462        | SL5EA    |
| SL4Z4        |          |
| SL45Y        |          |
| SL4ZM        |          |

The ISP1100 Server Platform air baffle solution **does not** support the following S-spec Pentium III ® processors and Celeron™ running at 800 MHz and 850 MHz:

|              |          |
|--------------|----------|
| Pentium III® | Celeron™ |
| SL49G        | SL5EB    |
| SL4Z2        | SL54P    |
| SL4KF        | SL5WW    |
| SL4ZN        | SL5EC    |
|              | SL54Q    |
|              | SLWX     |

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Please refer to TA-2004-1 or contact your Intel Sales Representative if you require more specific information about this requirement.

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