

# intel® Technical Advisory

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5200 NE Elam Young Parkway  
Hillsboro, OR 97124

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## Intel® Xeon™ Processor 3.0 GHz and Above Support in the Intel Server Chassis SC5200 Base Redundant Power SKU

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### Products Affected

Product	Product Codes
SC5200	KHD3RP450

### Description

When using dual Intel® Xeon™ processors at speeds of 3.0 GHz and above in the Intel Server Chassis SC5200 base redundant power SKU, the chassis power supply may not be able to support all adapter/peripheral loading configurations due to a potential current capacity limitation on the +12V power supply rail.

### Root Cause

Intel power loading specifications are designed for very conservative cases (dual Intel Xeon processors at high Thermal Design Power (TDP), fully loaded server rack, etc.) to ensure robust operation of our server systems. Many customers do not operate server systems under maximum possible power loading conditions.

### Workaround

Customers using Intel Xeon processors at speeds of 3.0 GHz and above in a dual processor configuration in the base redundant power SKU of the Intel server chassis SC5200 should utilize the power configuration analysis tool posted at [http://support.intel.com/support/motherboards/server/pwr\\_budget.htm](http://support.intel.com/support/motherboards/server/pwr_budget.htm), in addition to validating that the configuration functions properly before shipping, in order to ensure that the current capability of the +12V power supply rail is not exceeded for their particular system loading configuration.

Customers who determine they need more +12V power than supplied by the SC5200 base redundant power SKU may also consider using the SC5200 HSRP (KHD3HSRP650) or SC5200 Base (KHD3BASE450) chassis SKUs.

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

Enterprise Platforms and Services Division  
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