



This Technical Advisory describes an issue which may or may not affect the customer's product

Intel Technical Advisory

TA-1140-02

5200 NE Elam Young Parkway
Hillsboro, OR 97124

April 02, 2019

Intel® Optane™ DC persistent memory presents incorrect memory power monitoring with 1st generation Intel® Server Board S2600WF product family and 1st generation Intel® Server Board S2600BP product family.

Products Affected

<u>Product Code</u>	<u>MM#</u>	<u>Product Code</u>	<u>MM#</u>
S2600WFT	952641	R2224WFQZS	955875
S2600WFO	952644	R2224WFTZS	952633
S2600WFQ	952645	BBS2600BPB	948899
R1304WFOYS	952626	BBS2600BPS	952609
R1304WFTYS	952625	BBS2600BPQ	948900
R1208WFTYS	975886	HNS2600BPB	976668
R2308WFTZS	975887	HNS2600BPB24	976671
R2208WFOZS	975888	HNS2600BPS	976670
R2208WFTZS	975889	HNS2600BPS24	976676
R2208WFQZS	975890	HNS2600BPQ	976669
R2312WF0NP	975812	HNS2600BPQ24	976675
R2312WFTZS	975892	HNS2600BPBLC	961401
R2312WFQZS	955877	HNS2600BPBLC24	977207

Description

Memory power monitoring for the Intel® Optane™ DC persistent memory on the affected products listed above results on over-reporting or under-reporting memory power to the CPU.

No functional failures have been observed with this issue, but memory power reporting is inaccurate.

Root Cause

Intel® Optane™ DC persistent memory 12V power monitoring is not enabled on the Voltage Regulator (VR) controller included in the 1st generation Intel® Server Board S2600WF family. For the 1st generation Intel® Server Board S2600BP family, the 12V power monitoring is enabled but the value is not fine-tuned.

12V power monitoring for Intel® Optane™ DC persistent memory only can be enabled and fine-tuned by reprogramming the VR firmware. VR firmware is programmed at factory and cannot be updated in the field or online.

Corrective Action/Resolution

- 2nd generation S2600WF-R and S2600BP-R (Refresh) boards includes the updated VR firmware that solve this issue from factory.
- Intel® Optane™ DC persistent memory with the 1st generation Intel® Server S2600WF product family and 1st generation Intel® Server S2600BP product family (non-refresh) is targeted for engineering purposes only and not for production customer environments. No support or fixes are planned for issues related with Intel® Optane™ DC persistent memory when used with 1st generation Intel® Server S2600WF product family and 1st generation Intel® Server S2600BP product family.

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