BIOS Release Notes Form

Product Name	**B11DPE**
Release Version	**3.1**
Release Date	**5/29/2019**
Previous Version	**3.0a**
Update Category	**Critical**
Dependencies	**None**
Important Notes	**None**
Enhancements	**1. Changed BIOS version to 3.1.** **2. Updated the Leaky Bucket to 2.15 minutes at 2666MHz.** **3. Set SDDC+1 to disabled by default.** **4. Updated Intel RSTe to 6.1.0.1017.** **5. Updated Intel RC to ww16.** **6. Updated Hyper Threading and VMC default settings.** **7. Updated memory error log fru_text.** **8. Updated the Memory Correctable Threshold to 512.** **9. Set ADDDC/SDDC to enabled by default.** **10. Set PCIe hot plug to enabled by default.** **11. Updated LAN firmware to version 3.45.** **12. Updated extended type 17.** **13. Merged 16 records of DMI type to a single record.** **14. Updated NVDIMM ADR timer to 600us.** **15. Updated VRM.**
New features	**N/A**
Fixes	**N/A**

3.0a (9/14/2018)

Enhancements
1. Updated Intel BKC Version 2018_WW52 (KIT #130606).
2. Updated for NVDIMM ADR values for 1 & 2 CPUs.
3. Updated for PBF feature.
4. Updated the type 9/type 40 reporting.
5. Updated for Mezzanine 25G card sensor reading.

Fixes
1. Fixed issue with CPU Throttling Event Logging & Alert LED Function.
2. Fixed failure of SUM cases TC210 and TC304.

2.0c (8/7/2018)

Enhancements
1. Updated CPU microcode to address 'Spectre' derivatives (CVE-2018-3639 & CVE-2018-3640) security issue.
2. Changed BIOS revision to 2.0c.
3. Added bifurcation and slot configuration for Mezzanine and FrontIO Cards.
4. Enabled the Jumperless BIOS Flash feature.
5. Updated for VMD mode support.
6. Updated Intel microcode to 0x4D.

New features
1. Added Jumperless solution.
2. Added delay For iSCSI Initialized.

Fixes
1. Fixed problem of NVMe ejection function not working using AOM-BPNIO-SNE.
2. Fixed failure to recognize the U.2 device on Intel VMD.
3. Fixed failure of NVMe ejection function.
4. Fixed incorrect maximum power reading in CMM.
5. Fixed a BIOS build issue in 7/26 BIOS.
6. Fixed failure of LoadDefaultBiosCfg in SUM ATT cases TC210 and TC304.