

## IPMI Firmware / BIOS Release Notes Form

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<b>Product Name</b>	<b>X11DPS-RE</b>
<b>Release Version</b>	<b>3.0a SPS : 4.1.3.239</b>
<b>Release Date</b>	<b>4/2/2019</b>
<b>Previous Version</b>	<b>2.1a</b>
<b>Update Category</b>	<b>Recommended</b>
<b>Dependencies</b>	<b>None</b>
<b>Important Notes</b>	<b>None</b>
<b>Enhancements</b>	<b>1. Added support for Purley Refresh platform. 2. Updated Skylake H0/M0/U0 CPU microcode to version 57. 3. Updated Intel® RSTe package to version 6.0.0.1024. 4. Set NVDIMM ADR timeout to 600µs.</b>
<b>New features</b>	<b>1. Added ME Jumpless Recovery Feature.</b>
<b>Fixes</b>	<b>N/A</b>

***Release Notes from Previous Release(s)***

***2.1a (10/3/2018)***

- 1. Updated the RSTe revision to 5.5.0.1028.*
- 2. Enhanced the BIOS secure flash upgrade feature (firmware signature).*
- 3. Fixed the 50-second delay when booting into UEFI shell, DOS, and various Operating Systems (OS).*
- 4. Fixed DMI writing error with full memory DIMM and ruler NVMe SSD plugged in.*

***2.1 (7/18/2018)***

- 1. Updated CPU microcode to address 'Spectre' derivatives (CVE-2018-3639 & CVE-2018-3640) security issue.*
- 2. Enabled BIOS secure flash upgrade feature (firmware signature).*
- 3. Added security signature feature for IPMI BIOS Upgrade.*
- 4. Implemented RSD feature.*
- 5. Fixed inability of system to detect SATA device when the PCH is very hot.*