

## BIOS Release Notes Form

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<b>Product Name</b>	<b>X9DR3-F/X9DRi-F</b>
<b>Release Version</b>	<b>3.4 ME: 2.1.7.231</b>
<b>Build Date</b>	<b>6/30/2020</b>
<b>Previous Version</b>	<b>3.3</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. Updated SINIT ACM 2.5.1 (20191031) for IPU 2019.2 Intel-SA00240 (CVE-2019-0151 CVSS 3.1: 7.5, High). 2. Updated CPU microcode from Intel-Generic-Microcode-20190618_NDA for Intel-SA-00233 (CVE-2018-12126 CVSS 3.1: 6.5, Medium, CVE-2018-12127 CVSS 3.1: 6.5, Medium, CVE-2018-12130 CVSS 3.1: 6.5, Medium, and CVE-2019-11091 CVSS 3.1: 3.8, Low).</b>
<b>New features</b>	<b>N/A</b>
<b>Fixes</b>	<b>N/A</b>

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

***3.3 (7/12/2018)***

- 1. Updated CPU microcode to address 'Spectre' derivatives (CVE-2018-3639 and CVE-2018-3640) security issue.*