

IPMI Firmware / BIOS Release Notes Form

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Product Name	X11SSW-F
Release Version	2.2a
Release Date	5/24/2019
Previous Version	2.2
Update Category	Critical
Dependencies	None
Important Notes	None
Enhancements	<p>1. Updated Intel CPU microcode from DT_P_183 for INTEL-SA00233 Security Advisory to address CVE-2018-12126, CVE-2018-12127, CVE-2018-12130, and CVE-2019-11091 security issues.</p> <p>2. Updated EIP419363 to ensure DCI Policy is "Disabled" for INTEL-SA-00127, EIP412144 for [SA50044] USRT Mantis vulnerabilities, EIP387724 for Ofbd Meud Security vulnerabilities, and EIP422042 for CPU microcode downgrade attack vulnerability.</p> <p>3. Updated Greenlow Refresh Initialization Code PV PLR5 Hotfix1 version 4.1.1.1 for INTEL-SA-00223 Security Advisory to address CVE-2019-0119, CVE-2019-0120, and CVE-2019-0126 security issues.</p> <p>4. Contained SPS 4.01.04.054 PLR version for security vulnerability INTEL-SA-00213 to address CVE-2019-0089, CVE-2019-0090, CVE-2019-0086, CVE-2019-0091, CVE-2019-0092, CVE-2019-0093, CVE-</p>

	<p>2019-0094, CVE-2019-0096, CVE-2019-0097, CVE-2019-0098, and CVE-2019-0099 security issues.</p> <p>5. Changed BIOS revision to 2.2a.</p> <p>6. Updated Kaby Lake BIOS ACM 1.5.0 and SINIT ACM 1.6.0.</p> <p>7. Updated EIP393007 & EIP411789 for TPM vulnerability when resuming S3.</p> <p>8. Updated SATA RAID OPROM/EFI driver to RSTe PreOS v4.7.0.1017.</p> <p>9. Updated VBIOS and VGA EFI Driver to 1.09 to fix ASpeed CVE-2019-6260 security issue.</p> <p>10. Updated valid range of IPMI setup item VLAN ID to 1-4094.</p> <p>11. Added support for RFC4122 UUID format feature to set RFC4122 encoding from build time produced by IPMICFG 1.29 tool or newer.</p>
New features	N/A
Fixes	<p>1. Fixed problem of BIOS always retrying boot when Re-Try Boot is Disabled.</p> <p>2. Fixed inability to disable SMBIOS preservation for recovery.</p> <p>3. Fixed inability to log CECC events in IPMI event log when METW = 0.</p>

Release Notes from Previous Release(s)

2.2 (5/23/2018)

1. *Changed BIOS revision to 2.2.*
2. *Updated CPU microcode to address CVE-2018-3639 and CVE-2018-3640.*
3. *Updated Kaby Lake BIOS ACM 1.4.0 and SINIT ACM 1.3.0.*
4. *Enhanced ability to enter setup menu without password when system only has Administrator password.*
5. *Fixed problem of Afu /O command clearing SMC SMBIOS region (\$SMC).*
6. *Implemented workaround for problem of IP displaying 0.0.0.0 information the first time AC powers on BMC.*
7. *Fixed problem of the system hanging when trying to create virtual driver on LSI3108 storage card under BIOS setup.*
8. *Fixed missing reminding string "iKVM doesn't support add-on VGA device..." when VGA is plugged in & "Primary Display"=="PEG".*

2.1a (02/12/2018)

1. *Updated DT_B_128 for Kaby Lake-S B0 stepping CPU microcode M2A906E9_00000084 to address 'Spectre' variant 2 (CVE 2017-5715) security issue.*
2. *Changed BIOS revision to 2.1a.*
3. *Added Ramaxel JEDEC Manufacturer ID to support Ramaxel memory.*
4. *Added support to speed the memory up to 2667Mhz.*
5. *Added support for UEFI mode PXE boot via F12 hot key Net boot.*
6. *Added support for SUM to display SGX-related items.*
7. *Fixed issue with IPMI force boot.*
8. *Fixed problem of system not showing correct manufacturer name or product name when IPMI without FRU1 is programmed.*
9. *Fixed failure of ATT BIOS ECO test case 237.*

2.1 (12/11/2017)

1. *Changed BIOS revision to 2.1.*
2. *Updated Skylake-S R0/S0 stepping MCU M36506E3_000000C2.*
3. *Updated Kaby Lake-S B0 stepping MCU M2A906E9_0000007C.*