

2024年6月12日
アドバンテック株式会社

産業用サーバマザーボードASMB-817、ASMB-927、ASMB-977

BIOS、BMC & EC ファームウェア更新のお知らせ

平素は格別のご高配を賜り、厚く御礼申し上げます。

この度、Intel第5世代Xeon-SP (Emerald Rapids) への対応、機能強化、不具合修正のため、産業用サーバマザーボード ASMB-817、ASMB-927、ASMB-977のBIOS、及びBMC/EC Firmwareが変更となります。

ここにご案内申し上げます。

記

(1) 対象製品型番 (T型番も含まれます)

- ASMB-817I-00A1
- ASMB-817T2-00A1
- ASMB-817T2-00A1U
- ASMB-927T2-00A1
- ASMB-927T2-00A1U
- ASMB-977I-00A1
- ASMB-977T2-00A1
- ASMB-977T2-00A1U

(2) 変更によるインパクト

Item	Impact
Impact on Mechanical Design	No
Impact on Software Compatibility	Possible
Impact on Environment Characteristics	No
Impact on Board Certifications	No
Physical Outlook Change	No
Ordering P/N Change	No
Cut-in Implement	cut-in (1) Existing TWH1 & CKH2 stocks And open W/O

(3) 変更実施スケジュール

Affected Models	ECOM Number	Estimated Effective Date	Cut-in Implement	Change Description
PN	NA	NA	NA	Contact PM by request
ASMB-817I-00A1 ASMB-817T2-00A1 ASMB-817T2-00A1U ASMB-927T2-00A1 ASMB-927T2-00A1U ASMB-977I-00A1 ASMB-977T2-00A1 ASMB-977T2-00A1U	ECOM-215802	July 2024	cut-in (1)	1. ASMB-817 FW update, BIOS update to V200 to support 5th Xeon Scalable Emerald Rapid CPU, BMC update to V0.76 and Config V2.02, EC update to V0037. 2. ASMB-927 FW update, BIOS update to V200 to support 5th Xeon Scalable Emerald Rapid CPU, BMC update to V0.76 and Config V2.02, EC update to V0037. 3. ASMB-977 FW update, BIOS update to V200 to support 5th Xeon Scalable Emerald Rapid CPU, BMC update to V0.76 and Config V2.02, EC update to V0037.

カットイン日程はあくまで予想となります。工場の生産スケジュールによって前後することがあります。

(3)変更詳細

Affected Models	Current Component	New Component	Category	Outlook Difference	Reason
ASMB-817	1420057192 (V110)	1420060520 (V200)	BIOS FW	No	BIOS version update: 1. Support 5th Gen Xeon Scalable Emerald Rapids 2. Support INTEL VMD function. 3. Support BMC redfish function. 4. Add USB NCM driver support. 5. Fix BMC occurred kernel panic when pushing the redfish Json file. 6. Revise smart fan curve. 7. Enable early VGA display. 8. Add BMC self test fail show warning message. 9. Fix run over night hang 0x92, when there is a PCIe to USB device on the board. 10. Remove BIOS TCG storage security feature to enhance SED software compatibility. 11. Change setup item default value
	1420057117 (V0.48)	1420059984 (V0.76)	BMC FW	No	BMC version update: 1. Redfish specification 1.18.0 alignment. 2. Support case intrusion, PSU ac lost/failure event to trigger system led. 3. Support BIOS version display.
	2080010667 2080010668 (V1.00)	2080011530 2080011531 (V2.02)	BMC Config	No	4. Adjust threshold settings of RAID, PSU, VBat sensors. 5. Adjust BMC USB gadget from ECM to NCM function.
	1420057061 (V0025)	1420059966 (V0037)	EC FW	No	EC version update: 1. Modify the duty of PWM default from 20% to 40%. 2. Fixed incorrect fan speed. (P/N:1750009196-01). 3. Fixed incorrect READ_FAN_SPEED_2 value for FSP-850_50FGPH3. 4. Fixed PMBusExist Flag(@0x3B) when PMBUS is not connected. 5. Fixed GPU temperature value. 6. Fixed CaseOpen Status(b1@0x9E) value. This bit(high) means case open alarm, bit(low) means case open normal. 7. Add: 2T/5T fan curve support.

Affected Models	Current Component	New Component	Category	Outlook Difference	Reason
ASMB-927	1420057407 (V111)	1420060516 (V200)	BIOS FW	No	BIOS version update: 1. Support 5th Gen Xeon Scalable Emerald Rapids 2. Support INTEL VMD function. 3. Support BMC redfish function. 4. Add USB NCM driver support. 5. Fix BMC occurred kernel panic when pushing the redfish Json file. 6. Revise smart fan curve. 7. Enable early VGA display. 8. Add BMC self test fail show warning message. 9. Fix run over night hang 0x92, when there is a PCIe to USB device on the board. 10. Remove BIOS TCG storage security feature to enhance SED software compatibility. 11. Change setup item default value
	1420057117 (V0.48)	1420059984 (V0.76)	BMC FW	No	BMC version update:
	2080010670 (V1.00)	2080011470 (V2.02)	BMC Config	No	1. Redfish specification 1.18.0 alignment. 2. Support case intrusion, PSU ac lost/failure event to trigger system led. 3. Support BIOS version display. 4. Adjust threshold settings of RAID, PSU, VBat sensors. 5. Adjust BMC USB gadget from ECM to NCM function.
	1420057061 (V0025)	1420059966 (V0037)	EC FW	No	EC version update: 1. Modify the duty of PWM default from 20% to 40%. 2. Fixed incorrect fan speed. (P/N:1750009196-01). 3. Fixed incorrect READ_FAN_SPEED_2 value for FSP-850_50FGPH3. 4. Fixed PMBusExist Flag(@0x3B) when PMBUS is not connected. 5. Fixed GPU temperature value. 6. Fixed CaseOpen Status(b1@0x9E) value. This bit(high) means case open alarm, bit(low) means case open normal. 7. Add: 2T/5T fan curve support.

Affected Models	Current Component	New Component	Category	Outlook Difference	Reason
ASMB-977	1420057409 (V111)	1420060531 (V200)	BIOS FW	No	BIOS version update: 1. Support 5th Gen Xeon Scalable Emerald Rapids 2. Support INTEL VMD function. 3. Support BMC redfish function. 4. Add USB NCM driver support. 5. Fix BMC occurred kernel panic when pushing the redfish Json file. 6. Revise smart fan curve. 7. Enable early VGA display. 8. Add BMC self test fail show warning message. 9. Fix run over night hang 0x92, when there is a PCIe to USB device on the board. 10. Remove BIOS TCG storage security feature to enhance SED software compatibility. 11. Change setup item default value
	1420057266 (V0.52)	1420059984 (V0.76)	BMC FW	No	BMC version update: 1. Redfish specification 1.18.0 alignment. 2. Support case intrusion, PSU ac lost/failure event to trigger system led.
	2080010720 2080010719 (V1.02)	2080011532 2080011533 (V2.02)	BMC Config	No	3. Support BIOS version display. 4. Adjust threshold settings of RAID, PSU, VBat sensors. 5. Adjust BMC USB gadget from ECM to NCM function.
	1420057061 (V0025)	1420059966 (V0037)	EC FW	No	EC version update: 1. Modify the duty of PWM default from 20% to 40%. 2. Fixed incorrect fan speed. (P/N:1750009196-01). 3. Fixed incorrect READ_FAN_SPEED_2 value for FSP-850_50FGPH3. 4. Fixed PMBusExist Flag(@0x3B) when PMBUS is not connected. 5. Fixed GPU temperature value. 6. Fixed CaseOpen Status(b1@0x9E) value. This bit(high) means case open alarm, bit(low) means case open normal. 7. Add: 2T/5T fan curve support.

尚、本ご案内に関するお問合せは、次のようお願い致します。

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 - ― 以下弊社窓口へ直接お問い合わせください。

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