Product Change Notification

1 PCN Information

Title	Product Change Notification		
PCN Number	PCN-2103-SA50-0016	**Issue Date (yyyy-mm-dd)**	2021-03-11
PCN Revision	0.2	**Effective Date (yyyy-mm-dd)**	2021-03-11
Refers to Change Order	N/A	**Expiration Date (yyyy-mm-dd)**	N/A
Refers to Change Request	N/A	**Author**	CJR

2 Product Identification

2.1 Product Data

	Pre-Conversion	Post-Conversion
Product Name	conga-SA5	conga-SA5
Product Number P/N	N/A	N/A
Serial Number S/N	N/A	N/A
Lot Number	N/A	N/A
Hardware Revision	N/A	N/A
BIOS Revision	SA50R156	SA50R064
congatec Board Controller Revision	N/A	N/A

2.2 Means of Distinguishing Changed Products

		Remark
Product Number	☐	
Hardware Revision	☐	
Lot Code	☐	
Label	☐	
Other	☑	BIOS revision is displayed in the BIOS setup menu and on the POST screen.

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3 Description and Reason of Change

AVL	☐	Product Improvement	☑
Material	☐	BIOS Release	☑
Assembly Process	☐	Firmware Release	☐
Assembly BOM	☐	Datasheet/Manual	☐
Testing	☐	DFM	☐
Manufacturing Site	☐	Other	☐
Equipment	☐		

Note

SA50R063 and SA50R064 are not used for production.
Intermediate BIOS releases do not exist or were for internal use only.

SA50R063 to SA50R064

1. Updated the Intel CPU Microcode Update binaries to revision 20h for APL E.0 and F.1 stepping and revision 44h for B.1 and D.0 stepping.
2. Fixed an issue with the congatec OEM SMBIOS that might have caused a system hang with a specific .dms file structure.
3. Applied an AMI patch to improve the PCIe hot-plug support.
4. Fixed the issue that an SDR104 SD card was not correctly initialized.
5. Fixed the issue that the on-module UARTs could not be accessed in an ACPI OS due to wrong LPC decoding.

SA50R156 to SA50R063

1. Applied a patch from AMI to fix a boot issue with Kingston eMMC16G/32G-IB29-PZ90.
2. Added BIOS license information to the POST and setup screen.
3. Made the Automatic Fan Control setup node visible in BIOS setup
4. Updated the SPD data for the new 8Gb single rank memory configuration.
5. Updated BIOS tree to new AMI label 5.012_VEB_1ATJS061.
6. Added the congatec Secure Boot customization support module.

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7. Updated the COM port names in BIOS setup under Advanced ->Serial Port Console Redirection to better describe which COM port they are referring to.
8. Added BIOS password runtime support also for Windows and Linux OS environment. Before this was only working in the EFI shell.
9. Added a new BIOS sub menu showing the SMBIOS/DMI data.
10. Fixed the problem that OEM Code BIOS modules could not be added to the BIOS.
11. Updated the Intel UEFI PXE driver to the latest version.

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4 Impact of the change (positive or negative) on fit, form, function & reliability

4.1 Quality and Reliability

The changes listed in section 3 improve the product quality and reliability performance.

4.2 Software Compatibility

It is required to use BIOS revision SA50R063 or newer for conga-SA5 8GB variants.

4.3 Hardware Compatibility

Fully hardware compatible with the previous revision.

Note

The change described within this PCN does not affect the functionality of the modules. congatec is not obligated to perform an update on modules that have already been delivered or on modules that are pending delivery unless explicitly mentioned herein. If you have any questions about this matter, contact your local congatec GmbH representative.

5 Product/Revision Discontinuation

All previous product revisions are set to EOL status (End-Of-Life).

After the release of this PCN there will be a transition time of 12 months whereby a delivery may consist of products based on previous revisions as well as new revisions. After the completion of the transition time, only products based on the new revision will be delivered. This does not include products that fall under the RMA process.

6 Contact Information

congatec Contact	Technical Solution Center
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7 Customer Acknowledgment of Receipt

congatec GmbH records indicate that you require written notification of this change. Fill in the acknowledgment below and eMail this document to the eMail address above to request additional information. If congatec GmbH does not receive acknowledgment within 30 days of this notice it will be assumed that this change is acceptable. congatec GmbH reserves the right to ship either version manufactured after the process change effective date until the inventory on the earlier version has been depleted.

Customer Name	
Title	
Phone	
Fax	
eMail	

8 Revision History

Revision	Date (yyyy-mm-dd)	Author	Changes
0.1	2021-03-11	CJR	Initial release of document.
0.2	2021-05-27	CJR	Updated for the R064 BIOS release.

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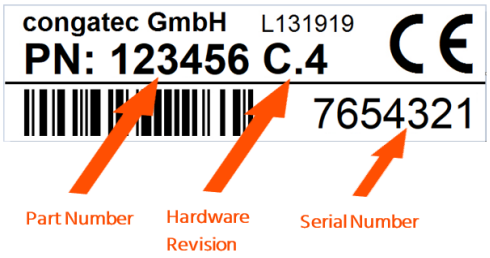
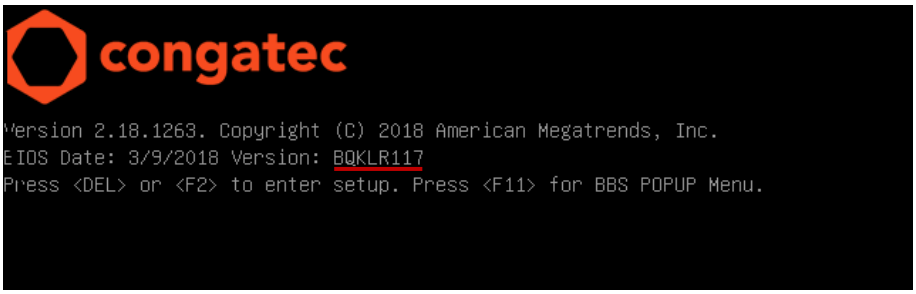
9 Appendix: congatec revision description

The product information can be derived from the congatec product label:

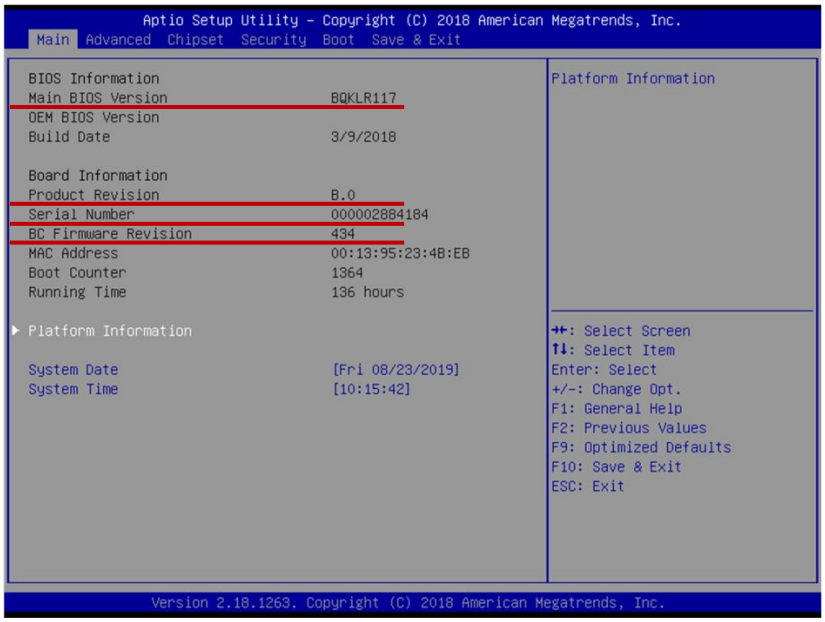


The BIOS can be determined during BIOS POST. The Main BIOS Version, Product Revision, Serial Number and Firmware Revision (Board Controller Firmware) can be determined in the BIOS Setup Utility (Main Menu):

BIOS POST



BIOS Setup Utility



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