

# Product Management Info – PMI

## Commercial Avionics



- **Original Date: August 17, 2018**  
**Updated Date:**

PMI #	144
Division	Commercial Avionics
Location/Site	San Diego, CA
Notice Type	Product Change Notification
Product(s)	All 73002008-xxx AF4608 Servers
Product Manager	RJ McLaren
Intended Audience	All Customers

► **ACE Flight 4608 Server – Product Change Notification**

The intention of this notification is to inform customers who buy the ACE Flight 4608 Server that Kontron will be implementing a BIOS update to fix an issue related to the TPM function.

**Description of the Issue:**

When using TPM and changing the state set to "clear TPM" the system will go into a mode of continually resetting. Implementing a power cycle will not resolve the issue and the system will need to be returned to Kontron for repair.

**Recommendation:**

Kontron recommends that all customers of the AF4608 that are using the TPM feature update to BIOS version BBD6R210.

If you are not using the TPM feature, then no update is required.

Kontron has tested and performed regression testing of BIOS version BBD6R210 to confirm functionality under avionics IFE configurations.

**AF4608 Update:**

Kontron will update all AF4608 Server configurations with BIOS BBD6R210 by **September 10<sup>th</sup>, 2018**. Any AF4608 Servers shipping after this date will have the BIOS BBD6R210 installed.

This is being classified as a minor change and the top level revision will not change. The following documents will be updated and documentation revisions updated:

- 1060-7591-SSCD System Software Configuration Document (CPU)
- 1060-5778-SSCD System Software Configuration Document (AF4608 SYSTEM)
- 73002008-MDL Master Drawing List (MDL), ACE Flight 4608

Any systems returned for repair or replacement under warranty and/or paid for repair will be updated to BIOS BBD6R210.

If you require further information on this reported issue and recommendations, please contact your Kontron sales person. If you have current deliveries scheduled before or after the implementation date and would like to discuss this change further regarding how you may want to manage your existing order, please contact your Kontron sale person. Kontron is committed to supporting your program and working with you through this process.

## BIOS Update Instructions:

Download BIOS BBD6R210 by going to the AF4608 Product Page and putting in the download request under the Downloads Section

<https://www.kontron.com/products/systems/aircraft-computers/servers/ace-flight-tm-4608.html>

Once you have the file package, follow these instructions:

1. Connect a serial port to the “console” DB9 of the front panel cable. You must connect to the Serial port to change the BIOS
2. Note: You can verify your serial console is working by connecting to the Eth Switch DB9 and when power is applied it should immediately start booting – after you verify reattach the cable to the console end connector
3. When the serial port clears (long time), press ESC to get into the BIOS. Change the boot order to go to the EFI shell and reboot.
4. 4608 should boot the EFI shell
5. Insert USB stick with BIOS on it, into the front panel USB connector
6. enter the command `map -r`
7. if all is working correctly you should two FSxs FS0 and FS1 - likely your stick is FS0
8. enter `fs0:` and then `ls` to see your file
9. Flash the new BIOS with the command `Kflash -p BBD6R210.bin`

## ► CONTACT INFORMATION

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