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| Title             | TITAN Flash Change Requires New Linux Bootloader |
| Affected Products | TITAN board                                      |
| PCN #             | PCN11001   |
| Date              | June 22, 2011                                    |

**Summary**

Eurotech is replacing the on-board flash memory used on the TITAN board with a new part. Customers who run Linux on their TITAN boards should update the bootloader component to RedBoot v1i5 to ensure a smooth migration path.

**Background**

Due to device obsolescence from our supplier, Eurotech is replacing the NOR Flash on all standard and custom TITAN boards from the Spansion S29GL256Nxxx to the Spansion S29GL256Pxxx part. The ramifications of this change are a slight adjustment in chip select parameters within the bootloader. Without this change, earlier RedBoot distributions will fail to launch Linux following a memory clock speed up event.

**Impact**

This product replacement is expected to only impact TITAN designs based on the Linux distributions. For these systems, the Redboot distribution should be updated to v1i5 to support the new P Flash.

For more information about the TITAN product, go to the [www.eurotech.com](http://www.eurotech.com) website.

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### **Eurotech Products Affected**

Affected products are summarized in the table. Additional part numbers specific to your product might exist and should be discussed with your Eurotech RSM.

| Part Number        | Description  |
|--------------------|--|
| 7000-54207-001-001 | TITAN SBC Marvell PXA270 520MHz, 64MB DRAM, 32MB Flash, RoHS, AEL v4i3c (TITAN-M64-F32-R6) |
| Custom             | Custom production images based on the 7000-54207-001-001 image                             |

### **Effective Date**

This product change notice is effective immediately.

### **Recommended Action**

If you ordered a TITAN product with RedBoot Linux, you need to confirm that you are running with RedBoot v1i5. You can get any operating system updates from Eurotech's support team. Once this update is applied, the Linux images can be used with newer TITAN boards.

If you do not specify an operating system when ordering TITAN boards, then no action is required since these types of orders are always supplied with the latest RedBoot Linux.

If you receive boards with our standard Linux image and simply add your applications on top of this on a board by board basis, then you can continue using the TITAN board in exactly the same way, since these boards are supplied with RedBoot v1i5.

If you have created an image that you download in order to speed up your application development process, then you will need to update the Redboot portion of your image. Please contact your Eurotech support team to get the necessary updates.

Customers using other operating systems need not take any action.

### **Special Considerations**

Customers with previously negotiated, special considerations will be handled separately.

Contact your Eurotech regional sales manager with any questions.

|                |                 |              |                              |
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