

# **Intel NetStructure<sup>®</sup> MPCBL0040 Single Board Computer and Intel NetStructure<sup>®</sup> MPRTM0040 Rear Transition Module**

**Firmware Compatibility and Validation Matrix Revision**

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*June 2007*



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## Revision History

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Date	Revision	Description
January 2007	001	Initial release
April 2007	002	Q1'07 firmware bundle information added
June 2007	003	Q2'07 firmware bundle information added



## 1.0 Overview

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This document contains the firmware compatibility matrix for the Intel NetStructure® MPCBL0040 Single Board Computer (SBC) and associated Intel NetStructure® MPRTM0040 Rear Transition Module (RTM). Firmware is released as a “bundle”, which is a specific combination of firmware that has been validated by Intel to work together. The firmware bundle includes the BIOS, IPMC firmware, FRU, SDR, utilities, and so on.

Only firmware combinations that are part of a bundle are supported. Customers reporting defects on non-supported firmware combinations are expected to reproduce defects on a supported bundle before submitting issues to Intel.

*Note:* It is not expected that the RTM boot block be updated in the field because the update process requires a custom cable.

*Note:* **(NEW)** indicates a newer version has been incorporated in this bundle as compared to the previous firmware bundle.

### 1.1 List of Acronyms

The following is a list of acronyms used in this document:

- BIOS = Basic Input Output System
- FRU = Field Replacement Unit
- IPMC = Intelligent Platform Management Controller
- MMC = Module Management Controller
- RTM = Rear Transition Module
- SBC = Single Board Computer
- SAS = Serial Attached SCSI
- SCSI = Small Computer System Interface
- SDR = Sensor Device Record



## 2.0 Firmware Release Bundles

This chapter provides details of the firmware bundles for the Intel NetStructure® MPCBL0040 Single Board Computer (SBC) and the associated Intel NetStructure® MPRTM0040 Rear Transition Module (RTM).

### 2.1 June 2007 Firmware Release Bundle

**Release Method:** This firmware is available from the web only at:  
<http://www.intel.com/design/telecom/products/cbp/atca/9825/tools.htm>

Table 3 shows the firmware component versions in the June 2007 bundle.

**Table 1. Firmware component versions in June 2007 bundle**

Component	Version
<b>MPCBL0040 SBC</b>	
BIOS	P10-0009 (NEW)
IPMC Boot Block	1.05
IPMC Boot Loader	1.01
IPMC Firmware	1.12.03 (NEW)
IPMC FRU	0.16
IPMC SDR	1.08 (NEW)
SAS Controller BIOS	06.08.05
SAS Controller Firmware	1.15.00
Sbcutils	1.3.2-2
<b>MPRTM0040 RTM</b>	
MMC Boot Block	1.08
MMC Firmware	1.06.01
MMC FRU	0.08 (NEW)
MMC SDR	1.04

### 2.2 April 2007 Firmware Release Bundle

**Release Method:** This firmware is programmed into boards leaving the factory. Moreover it is available from the web at:  
<http://www.intel.com/design/telecom/products/cbp/atca/9825/tools.htm>

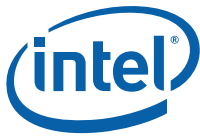


Table 3 shows the firmware component versions in the April 2007 bundle.

**Table 2. Firmware component versions in April 2007 bundle**

Component	Version
<b>MPCBL0040 SBC</b>	
BIOS	P09-0027 (NEW)
IPMC Boot Block	1.05 (NEW)
IPMC Boot Loader	1.01 (NEW)
IPMC Firmware	1.11.0C (NEW)
IPMC FRU	0.16 (NEW)
IPMC SDR	1.07 (NEW)
SAS Controller BIOS	06.08.05
SAS Controller Firmware	1.15.00
Sbcutils	1.3.2-2 (NEW)
<b>MPRTM0040 RTM</b>	
MMC Boot Block	1.08
MMC Firmware	1.06.01
MMC FRU	0.07
MMC SDR	1.04

### 2.3 December 2006 Firmware Release Bundle

**Release Method:** This firmware is available from the web only at:  
<http://www.intel.com/design/telecom/products/cbp/atca/9825/tools.htm>

Table 3 shows the firmware component versions in the December 2006 bundle.

**Table 3. Firmware component versions in December 2006 bundle**

Component	Version
<b>MPCBL0040 SBC</b>	
BIOS	P06-0018 (NEW)
IPMC Boot Block	2.02 (NEW)
IPMC Firmware	1.10.02 (NEW)
IPMC FRU	0.15
IPMC SDR	1.05 (NEW)
SAS Controller BIOS	06.08.05 (NEW)
SAS Controller Firmware	1.15.00 (NEW)
Sbcutils	1.3.1-4 (NEW)
<b>MPRTM0040 RTM</b>	
MMC Boot Block	1.08 (NEW)
MMC Firmware	1.06.01 (NEW)
MMC FRU	0.07
MMC SDR	1.04 (NEW)



## 2.4 August 2006 Firmware Release Bundle

**Release Method:** This firmware is available from the web only at:  
<http://www.intel.com/design/telecom/products/cbp/atca/9825/tools.htm>

Table 4 shows the firmware component versions in the August 2006 bundle.

**Table 4. Firmware component versions in August 2006 bundle**

Type	Version
<b>MPCBL0040 SBC</b>	
BIOS	P03-0015 (NEW)
IPMC Boot Block	1.05
IPMC Firmware	1.07.01 (NEW)
IPMC FRU	0.15 (NEW)
IPMC SDR	1.03 (NEW)
SAS BIOS	06.04.07
SAS Firmware	0.06.08.00
Sbcutils	1.3.1-1
<b>MPRTM0040 RTM</b>	
MMC Boot Block	1.07
MMC Firmware	1.05.01
MMC FRU	0.07
MMC SDR	0.05



## 2.5 June 2006 Firmware Release Bundle

**Release Method:** This firmware is available from the web only at:  
<http://www.intel.com/design/telecom/products/cbp/atca/9825/tools.htm>

Table 5 shows the firmware component versions in the June 2006 bundle.

**Table 5. Firmware component versions in June 2006 bundle**

Type	Version
<b>MPCBL0040 SBC</b>	
BIOS	P02-0014
IPMC Boot Block	1.05
IPMC Firmware	1.03.01
IPMC FRU	0.14
IPMC SDR	1.01
SAS BIOS	06.04.07
SAS Firmware	0.06.08.00
Sbcutils	1.3.1-1
<b>MPRTM0040 RTM</b>	
MMC Boot Block	1.07
MMC Firmware	1.05.01
MMC FRU	0.07
MMC SDR	0.05

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