



# **Windows 7 BSP for MSMST**

## **Release notes for BSP R01.00**

## 1 Revision History

Revision	Date	Author	Reviewed and approved	Description
1.00	15/11/2011	Kuzmenko Dmitry	Gennady Kuznetsov	Release notes for R01.00 version

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### 3 Introduction

This document describes Microsoft Windows 7 Board Support Package (BSP) for MSMST board. This document provides:

1. Summary of BSP features;
2. Lists of the release package contents.

### 4 BSP contents

The Win7\_BSP\_MSMST\_R01.00.zip file contains the following items.

1. **Altpci:** This folder contains PCIe Performance Demo driver.
2. **Audio:** This folder contains Realtek High Definition Audio drivers and software.
3. **Chipset:** This folder contains Intel Atom Processor 6xx series inf-files update utility.
4. **Ethernet:** This folder contains Intel(R) Network Connections Software installation package.
5. **Graphics:** This folder contains Intel(R) Embedded Media and Graphics drivers and software for Windows 7.
6. **Keapi driver:** This folder contains Kontron Embedded API system driver.
7. **Keapi GUI:** This folder contains KEAPI GUI and shell tools installation package.
8. **USB 3.0:** This folder contains Renesas Electronics USB 3.0 Host Controller installation package.

#### 4.1 Third-party drivers description

Component	Driver version	Description
Intel® Atom™ Processor E6xx Configuration Unit – 8183		Intel(R) Chipset Device Software Version: 9.1.2.1013  Target Chipset: Intel Atom Processor 6xx series
Intel® Atom™ Processor E6xx LPC Bridge – 8186		
Intel® Atom™ Processor E6xx PCI Express Port 1 – 8184		
Intel® Atom™ Processor E6xx PCI Express Port 2 – 8185		
Intel® Atom™ Processor E6xx PCI Express Port 3 – 8180		
Intel® Atom™ Processor E6xx PCI Express Port 4 – 8181		
Intel® Atom™ Processor E6xx PCI Host Bridge – 4114		
Intel® Atom™ Processor E6xx PCI Host Bridge – 4115		
Intel® Atom™ Processor E6xx PCI Host Bridge – 4116		

Component	Driver version	Description
Intel® Atom™ Processor E6xx PCI Host Bridge – 4117		
Renesas Electronics USB 3.0 Root Hub	2.1.27.0	Renesas Electronics Corporation USB 3.0 hub driver
Renesas Electronics USB 3.0 Host Controller	2.1.27.0	Copyright (c) 2010 Renesas Electronics Corporation USB 3.0 host controller driver.
Intel Corporation Atom™ E6xx Intel® Embedded Media and Graphics Driver Extension	8.14.181.204	Intel(R) Embedded Media and Graphics Drivers (Intel(R) EMGD) Version 1.8
Intel Corporation Atom™ E6xx Intel® Embedded Media and Graphics Driver Function 0		
Intel® 82574L Gigabit Network Connection	11.11.43.0	Intel(R) Network Connections Software Version 16.6.
Realtek High Definition Audio	6.0.1.6482	Realtek Semiconductor Corp. High Definition Audio System Software Ver: R2.66
KEApi System Driver	1.0.2.5	
PCIe Performance Demo	8.1.0	PCIe Performance Demo driver

## 5 Board and BIOS revision

### Board Information:

Serial Number	0000015431010099
Board Version	0.2
Production Date	27.04.2011

### BIOS Information:

BIOS Version	KCC.21.02
Project Version	MSMST 1.02
Build date and Time	02/28/2011 11:20:18

## 6 Features supported

Onboard Hardware Support
Intel® Atom™ Processor E6xx Series Integrated Graphic and Video
Intel® High Definition Audio
Intel® 82574L Gigabit Ethernet controller
SATA interface
USB 3.0 interface
KEAPI
Serial ports
SMBus
Wathcdog
DTS CPU
HW Monitor

## **7 Known issues**

1. USB 3.0 Port 1 (far from Ethernet) doesn't work correctly: SATA disk connected through USB 3.0 disconnects almost instantly.
2. KEAPI remote connection disconnects during time-consuming operations (e.g. EEPROM reading/writing).
3. Boot counter's value doesn't change after reboot.
4. Memory information is not correctly displayed in KEAPI GUI.

## **8 Change log**

None