

Intel® Rapid Storage Technology 10.6.0.1002 Production Version Release Notes

08 June 2011

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Supported Operating Systems

Microsoft Windows 7*
Microsoft Windows 7 x64 Edition*
Microsoft Windows Vista*
Microsoft Windows Vista x64 Edition*
Microsoft Windows XP Home Edition*
Microsoft Windows XP Professional*
Microsoft Windows XP x64 Edition

Microsoft Windows Server 2008* ++
Microsoft Windows Server 2008 x64 Edition*++
Microsoft Windows Server 2008 R2 x64* ++
Microsoft Windows Server 2003* ++
Microsoft Windows Server 2003 x64 Edition*++

Microsoft Windows Media Center Edition*

++ Not available on mobile platforms

Revision History

Date	Driver Revision	Build Number
08 June 2011	10.6.0.1002 Production Version	1002
02 June 2011	10.6.0.1002 Production Candidate	1002

Notes:

1. Known Issue is defined as a potential RST issue that has been replicated internally by the Rapid Storage Technology team but has not been root caused to be an RST defect.

2. Specification Clarification: This is a clarification of a previously undocumented limitation of the Intel® RST product for Rapid Recover Technology volumes. When creating an RRT Volume at least one member disk (master or recovery) must include 100% of the available capacity of the disk and the disk capacity must be less than or equal to 1.3125 TB.

3. This release enables the Capacity Expansion feature that was disabled in the RST 10.5.0.1027 release. Contact your RST representative with any questions.

4. For this release, the RAID OROM version is 10.6.0.1091, the driver and user interface version is 10.6.0.1002.

5. To support the Intel® Smart Response Technology feature, with this release, the RST 10.6.0.1091 RAID OROM, the RST 10.6.0.1002 driver/user interface and the Cougar Point Z68 SKU are required. Refer to the Intel® Rapid Storage Technology Technical Product Specification document on CDI/IBL (doc #446846) for further details related to enabling this feature.

6. When an ODD is in the Zero Power state, some ODDs may disappear when a hardware re-scan is initiated via the Windows Device Manager. A second hardware re-scan conducted before the Zero Power Idle Timeout value is reached (default is 60s) will return the drive to an OS visible state. This behavior is believed to be related to the length of time an ODD requires to become ready during power on from the zero-power state.

7. Microsoft* .NET Framework 3.0 is required to be installed on the system in order for the Intel® Rapid Storage Technology User Interface to install. Note that not all Microsoft* Operating Systems have .NET 3.0 installed by default. Refer to the Microsoft* website for details.

8. A Vista OS Installation using a Matrix RAID Array on a system with a 9.5 or newer OROM requires the user to F6 a 9.5 or newer driver.

9. **Possible issue where RST is slow to start on Windows XP or Vista with .NET 3.0**

Issue description: Under certain network conditions, on systems with .NET 3.0, the RST application and notification icon (a.k.a. tray icon) may take about a minute to start.

Resolution: Contact Microsoft* to receive the hot fix described by KB article 936707 or upgrade to .NET 3.5.

10. **Possible Issue regarding File writes on Windows XP with Service Pack 2**

Issue description: System hangs, ERROR_NO_SYSTEM_RESOURCES or ERROR_NOT_ENOUGH_QUOTA observed when writing large numbers of files on Windows XP with Service Pack 2.

Resolution: Contact Microsoft* to receive the hot fix described by KB article 888413.

Resolved Issues

Description	Affected OS's
System sporadically fails to resume from S4 when running S3/S4 stress test	Win7, Win7-64
System does not notice tray state correctly after Roxio creator is installed	Vista
Roxio creator sporadically hangs when the tray eject command is issued from Roxio	Vista
RST OROM user interface shows volume name with extra garbage character in Delete RAID Volume window	N/A
Reboot during capacity expansion of a RAID volume migration (after having added a disk to the volume) causes the volume to go failed	Vista, Vista-64, Win7, Win7-64, Windows 2008, Windows 2008-64
System fails to boot in 'Safe Mode' when Intel® Smart Response Technology is enabled	Win7, Win7-64

Known Issues

Description	Affected OS's
Can't safely remove Ultrabay device W/eject lever aft S4 swap	Vista, Win7
Volumes go to Degraded state after rebuilding matrix and shows installed disk as missing	Vista-64
Changing RAID type results in Data Migration Email	Win7, Win7-64
RAIDCfg32 does not check if RST Cache device is internal/external	Win7-64
Rapid Recover Technology: Accessible recovery drive is unable to reboot system	Win7-64
Clean disk is not working on >2TB disks	Windows 2008-64
Accessibility issue - Incorrect font size in high contrast settings for Help	Vista,Win7,Windows XP
Tray icon disappears prematurely	Vista,Vista-64,Win7,Win7-64,Windows 2003,Windows 2003-64,Windows 2008,Windows 2008-64,Windows Media Center,Windows XP,Windows XP-64
Changing contrast settings eliminates User Interface information	Windows 2008-64
Help Icon on status page is missing if the accelerated status is changed	Vista,Win7,Windows XP
Reset cache SSD to passthru appears to work, but doesn't when writes are failed to SSD	Win7-64
RAID migration does not fail after drive sends Status Err 0x40	Windows 2008
Disassociating help icon hover text string is incorrect	Win7
Clear and Reset disk to normal in user interface may not work	Vista,Vista-64,Win7,Win7-64,Windows 2008,Windows 2008-64
GPT formatted drives create error message in user interface when RRT creation is attempted	Win7-64
OS SMART Enable command to	Win7

RAID volume not being sent to
member disks

Naming Volume "Array_0000"
makes it completely disappear in
the RST user interface

Win7

0x8E BSOD observed sporadically
with Smart Response Technology

Win7-64