



WSS 2003 R2 with MS iSCSI Software Target Series



DVD image Disc release note: [Version: 1.0A](#)

For models: XN-104R-T2xT
XN-108R-T2xT
XN-212R-T3xT

Purpose:

This document describes new features, known issues and their workarounds for Xtore Windows Storage Server (WSS) 2003 R2 with Microsoft iSCSI Software Target series. Any questions or inquires please contact with Xtore Representative for further information.

<http://www.xtore.com>

REVISION	DATE	CHANGE DESCRIPTION
Version 1.0A	Nov-14-2006	Initial Release



V2.0A Main Highlight:

	XN-104R-T2xT	XN-108R-T2xT	XN-212R-T3xT
Software			
<u>S1</u> Windows Server 2003 KB files	✓	✓	✓
<u>S2</u> Intel PRO Set version 10.3	✓	✓	✓
3DM2 Application Version 9.3.0.4			✓
<u>S3</u> Microsoft iSCSI Initiator version 2.02	✓	✓	✓
<u>S4</u> Marvell Serial ATA Driver3.6.1.0	✓	✓	
<u>S5</u> Microsoft Storage Server Management			
<u>New Storage Management functionality</u>			
Storage Resource Management	✓	✓	✓
Storage Management for Storage Area Networks	✓	✓	✓
Distributed File System	✓	✓	✓
<u>Feature</u>			
Performance optimization	✓	✓	✓
Single Instance Storage	✓	✓	✓
Search enhancements	✓	✓	✓
<u>S6</u> Microsoft iSCSI Software Target			
Windows Firewall	✓	✓	✓
Registry key Customization	✓	✓	✓
Hardware			
ware 9550SX SATA RAID Controller			✓
VGA on board (new)			✓
Keyboard, mouse connectors on board (new)			✓
MCH 875P	✓	✓	
2546GB Ethernet NIC	✓	✓	
BIOS Information			
Version: XP-WIN-T3-B-T2 / Nov 7, 2006			✓
Version: XP-WIN-T2-A / 86310A / OCT 16, 2006	✓	✓	



Upgraded details:

S1. WSS2003 R2 KB files updated: (Technical notes available on Microsoft website)

High Priority

- A. Security Update for Windows Server 2003 (KB917537)
- B. Security Update for Microsoft .NET Framework, Version 2.0 (KB917283)
- C. Security Update for Windows Server 2003 (KB914388)
- D. Security Update for Windows Server 2003 (KB917159)
- E. Windows Malicious Software Removal Tool - July 2006 (KB890830)
- F. Security Update for Windows Server 2003 (KB911280)
- G. Security Update for Windows Server 2003 (KB917734)
- H. Security Update for Windows Server 2003 (KB914389)
- I. Security Update for Windows Server 2003 (KB917344)
- J. Security Update for Windows Server 2003 (KB918439)
- K. Cumulative Security Update for Internet Explorer for Windows Server 2003 (KB916281)
- L. Security Update for Windows Server 2003 (KB917953)
- M. Security Update for Windows Server 2003 (KB908531)
- N. Cumulative Security Update for Outlook Express for Windows Server 2003 (KB911567)
- O. Security Update for Windows Server 2003 (KB911562)
- P. Security Update for Windows Server 2003 (KB911927)
- Q. Security Update for Windows Server 2003 (KB908519)
- R. Security Update for Windows Server 2003 (KB912919)
- S. Update for Windows Server 2003 (KB910437)
- T. Security Update for Windows Server 2003 (KB904706)
- U. Security Update for Windows Server 2003 (KB896424)
- V. Security Update for Windows Server 2003 (KB900725)
- W. Security Update for Windows Server 2003 (KB902400)
- X. Security Update for Windows Server 2003 (KB899589)
- Y. Security Update for Windows Server 2003 (KB901017)
- Z. Security Update for Windows Server 2003 (KB905414)
- AA. Security Update for Windows Server 2003 (KB893756)
- BB. Security Update for Windows Server 2003 (KB896428)



- CC. Security Update for Windows Server 2003 (KB896358)
- DD. Security Update for Windows Server 2003 (KB899587)
- EE. Security Update for Windows Server 2003 (KB890046)
- FF. Security Update for Windows Server 2003 (KB899591)
- GG. Security Update for Windows Server 2003 (KB899588)
- HH. Security Update for Windows Server 2003 (K B901214)
- II. Update for Windows Server 2003 (KB898715)
- JJ. Update for Windows Server 2003 (KB891957)

Software

- A. Update for Windows Server 2003 (KB904942)
- B. Microsoft Base Smart Card Cryptographic Service Provider Package: x86 (KB909520)

S2. Intel PRO Set v10.3 Known Issues:

After you have set up your team, Intel® PROSet for Windows* Device Manager allows you to check your switch for the correct configuration with the Check Switch Configuration button.

Please allow a few minutes for the network to register the settings configuration too quickly may result in a system lockup.

Please visit <http://support.intel.com> and check the FAQ's for your adapter model.

S3. Microsoft iSCSI Initiator version 2.02

The new iSCSI software Initiator from Microsoft continues to lead the way on iSCSI innovation and functionality. Sophisticated multipathing policies for load balancing and failover are available, as is support for the new x64 processors, and the Next Generation Internet Protocol, IPv6.



S4. Marvell Serial ATA Adapter Driver 3.6.1 version

- A. Added defines for the ID's of the new devices supported
- B. Added defines for the EDMA 128 entries mode
- C. Added enumerator for the SATA interface power management states
- D. Added support for the single data region feature
- E. Added support for allocating the command info structure on the IAL stack
- F. Added new functions.

S5. Summary of Changes in Windows Storage Server 2003 R2

More information:

Windows Storage Server 2003 R2 setup and servicing is more aligned with the Microsoft® Windows Server™ 2003 operating systems. This includes replacing the existing Windows Storage Server 2003 Web user interface (UI) with a new UI based on Microsoft Management Console (MMC).

Additionally, a significant amount of new storage management functionality has been added, including

- ✓ Storage Resource Management
- ✓ Storage Management for Storage Area Networks (SANs).
- ✓ Windows Server 2003 R2 Distributed File System (DFS) capabilities that are focused on the need to replicate data with remote branch offices over wide area networks (WANs)

Windows Storage Server 2003 R2 also contains new Windows Storage Management features that differ from Windows Server 2003 R2 and provide more optimization for the storage server role, including:

- ✓ Performance optimization
- ✓ Single Instance Storage (SIS).
- ✓ Search enhancements.

◇ SharePoint Service is available for WSS Standard version. Also support multi-language template. The templates are located under CMPONENTS folder.



S6. Microsoft iSCSI Software Target 3.0.1983 version:

The Microsoft iSCSI Software Target software adds iSCSI target functionality to Windows Storage Server. The software creates a single, affordable storage platform that delivers files, print and application storage services, all over existing Ethernet networks. The Microsoft iSCSI Software further enhances solution capability, ease of use and value.

Component	Port	Notes
NetBIOS Datagram Service	UDP 138	This entry should already exist in Windows Firewall under File and Printer Sharing.
Remote Procedure Call (RPC)	TCP 135	This port is required by DCOM.
iSCSI Software Target	TCP 3260	This is the default iSCSI port that iSCSI Software Target uses to service requests.
Microsoft iSCSI Software Target service	N/A	On the iSCSI target server firewall settings, enable %windir%\system32\Wintarget.exe as an application exception.
Microsoft iSCSI Software Target VDS Hardware Provider	N/A	On the Microsoft iSCSI Software Target VDS Hardware Provider server firewall settings, enable %windir%\system32\Wtvdsprov.exe as an application exception.

iSCSI Software Target customization

Customize iSCSI Software Target functionality by changing registry value in the following registry entry:

Windows Registry Editor Version 5.00

[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\iSCSI Target]

"VendorId"="Xtore"

"ProductId"="XN1000"

"ProductRevision"="1.0A"

"VendorOUI"=dword:000015b2



PS. LCD Monitor Service version still 1.20A Version.

PS. XN104/108 unable to support Hitachi 500G HDD for recover image.

PS. R2 recover DVD is not available for the motherboards shipped before July 2006.

If you have any questions or need additional assistance with this information, please contact with local Xtore products' vendors or mail to: support@xtore.com.tw

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