

IBM® System Storage TS3100/TS3200 Tape Library (Machine Type 3573)

Supported Servers “Interoperability” Matrix

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IBM System Storage TS3100/TS3200 Tape Library (Machine Type 3573)

The IBM System Storage TS3100/TS3200 Tape Library is supported in the environments shown below. The sales representative and/or customer is responsible for insuring that the specific host system configuration used (i.e. server model, operating system level and host adapter combination) is a valid and supported configuration.

For the latest firmware and device drivers use the links on the left or at the bottom of this document.

Supported Servers

IBM System i and i5, eServer iSeries, and AS/400 Servers

SCSI: LTO Ultrium 4 LVD Drive Feature # 8143 or Models L4S or L4H; LTO Ultrium 3 LVD Drive Feature #8043 or Models L3S, L3H; LTO Ultrium 3 HH LVD Drive Feature 8046 or Models L32 or L34		
Servers	Operating Systems	Host Adapters
IBM System i Servers	OS/400 V5R2 or later i5/OS V5R3 ⁴ or later	LVD FC 5702 Ultra PCI ^{1,4} FC 5705 ⁴ FC 5710 PCI-X Dual Channel Ultra320 FC 5712 PCI-X Dual Channel Ultra320 ⁴ FC 5715 ⁴ FC 571A ⁴ FC 5736 PCI-X Disk/Tape Controller w/IOP ⁴
Linux Servers	Red Hat Enterprise Linux 4⁴ (i5 only); SUSE Linux Enterprise Server 9⁴ (i5 only)	FC 5710 PCI-X Dual Channel Ultra320 FC 5712 PCI-X Dual Channel Ultra320
Notes		
1. Certain restrictions may apply. See the details above for your operating system		

2. Requires V5R2
3. For D-mode IPL, the device SCSI address must be set to “0”
4. Ultrium 4 or Ultrium 3 HH SCSI Drives supported on **i5/OS V5R3 or later, Red Hat Enterprise Linux 4 (i5 only), SUSE Linux Enterprise Server 9 (i5 only)**

Fibre Channel: LTO Ultrium 4 Feature # 8144 or Models F4S or F4H; LTO Ultrium 3 Drive Feature #8044 or Models F3S, F3H

Servers	Operating Systems	Host Adapters/SAN
IBM System i Servers	OS/400 V5R2 or later i5/OS V5R3³ or later	FC HBA Search Tool
Linux Servers	Red Hat Enterprise Linux 4³ (i5 only) details SUSE Linux Enterprise Server 9³ (i5 only) details	FC HBA Search Tool

1. Certain restrictions may apply. See the details above for your operating system
2. Switched Fabric Support requires OS/400 V5R2.
3. Ultrium 4 Fibre Drive supported on **i5/OS V5R3 or later, Red Hat Enterprise Linux 4 (i5 only), SUSE Linux Enterprise Server 9 (i5 only)**

IBM System p or p5, eServer pSeries, and RS/6000 Servers

SCSI: LTO Ultrium 4 LVD Drive Feature # 8143 or Models L4S or L4H; LTO Ultrium 3 LVD Drive Feature #8043 or Models L3S, L3H; LTO Ultrium 3 HH LVD Drive Feature 8046 or Models L32 or L34

Servers	Operating Systems	Host Adapters
IBM System p Servers; IBM System p5: 9111-520, 9112-265 9113-550 9114-275, 9115-505, 9116-561, 9117-570 9124-720 9131-52A	AIX 5L version 5.1, 5.2, 5.3⁴ or later for Power-based servers details	IBM FC 6203 LVD/SE Ultra3 (PCI) ⁴ ; FC 6205 LVD Ultra2 PCI ⁴ ; FC 5703 PCI-X Dual Channel Ultra320 SCSI RAID Adapter; FC 5710 PCI-X Dual Channel Ultra320 SCSI Blind Swap Adapter ^{1,2,4} FC 5711 PCI-X Dual Channel Ultra320 SCSI RAID Blind Swap Adapter; FC 5712 PCI-X Duall Channel Ultra320 SCSI Adapter ^{1,2,4} ; FC 5736 ⁴ ; FC 1912 ⁴ ;

		FC 1974 ⁴ ; Integrated Ultra2 SCSI LVD with VHDCI ³ ; Integrated Ultra3 SCSI LVD with VHDCI ³
IBM System p (Linux) Servers; IBM System p5: 9111-520, 9112-265 9113-550 9114-275, 9115-505, 9116-561, 9117-570 9124-720 9131-52A	Red Hat Enterprise Linux 4⁴; SUSE Linux Enterprise Server 9⁴, 10⁴ details	FC1904 LVD; FC 5710 PCI-X Dual Channel Ultra320 SCSI Blind Swap Adatper ^{1,2,4} ; FC 5712 PCI-X Dual Channel Ultra320 SCSI Adapter ^{1,2,4} ; FC 1974 ⁴ FC 5736 ⁴ FC 1912 ⁴

Notes

1. Certain restrictions may apply. See the details above for your operating system
2. Support for pSeries 9111 Model 520, 9113 Model 550 running AIX 5.3, 9117 Model 570 running two partitions AIX 5.2H, AIX 5.3
3. Optimal performance is obtained when the 35xx is the sole device attached to the integrated adapter
4. Ultrium 4 and Ultrium 3 HH supported on **AIX 5L** version 5.1, 5.2, 5.3 or later, **Red Hat Enterprise Linux 4, SUSE Linux Enterprise Server 9 and 10**

Fibre Channel: LTO Ultrium 4 Feature # 8144 or Models F4S or F4H; LTO Ultrium 3 Drive Feature #8044 or Models F3S, F3H

Servers	Operating Systems	Host Adapters/SAN
IBM System p Servers; IBM System p5: 9111-520, 9112-265 9113-550 9114-275, 9115-505, 9116-561, 9117-570 9124-720 9131-52A	AIX 5L version 5.1, 5.2, 5.3 or later for Power-based servers ^{1,2,3,5} details	FC HBA Search Tool
IBM System p (Linux) Servers; IBM System p5: 9111-520, 9112-265 9113-550 9114-275, 9115-505, 9116-561,	Red Hat Enterprise Linux Version 4⁵ details ; SUSE Linux Enterprise Server 9⁵, 10^{2,3,4,5} details ; Asianux 2.0⁵ details	FC HBA Search Tool

9117-570 9124-720 9131-52A		
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Notes

1. Certain restrictions may apply. See the details above for your operating system
2. Support for pSeries 9111 Model 520, 9113 Model 550 running AIX 5.3, 9117 Model 570 running two partitions AIX 5.2H, AIX 5.3
3. Linux running on pSeries
4. Linux running on eServer p5
5. Ultrium 4 Fibre Drive supported on **AIX 5L version 5.1, 5.2, 5.3 or later, Red Hat Enterprise Linux Version 4, SUSE Linux Enterprise Server 9 and 10**

IBM System z or z9, eServer zSeries Servers with FCP Channels

Fibre Channel: LTO Ultrium 4 Feature # 8144 or Models F4S or F4H; LTO Ultrium 3 Drive Feature #8044 or Models F3S, F3H

Servers	Operating Systems ²	Host Adapters/SAN
IBM System z9; zSeries Models 890 and 990	Red Hat Enterprise Linux Version 4⁴; SUSE Linux Enterprise Server 9⁴, 10⁴	FC HBA Search Tool

Please check with the sales representatives for specific host adapters supported by model and detailed attachment and configuration information

1. For IBMtape device driver details, see: [readme](#)
2. For zSeries specific information, see: [zSeries FCP Connectivity](#)
3. Supported as VM guest or VM native partition.
4. Ultrium 4 Fibre Drive supported on **Red Hat Enterprise Linux Version 4, SUSE Linux Enterprise Server 9 and I'm in 10**

IBM BladeCenter

Fibre Channel LTO Ultrium 3 Drive Feature #8044 or Models F3S, F3H		
Servers	Operating Systems	Host Adapters

JS20	AIX 5.2 and AIX 5.3, Red Hat Enterprise Linux 4, SUSE Linux Enterprise Server 9, 10	QLogic Daughter Card 73P6112
HS20	Red Hat Enterprise Linux 4, SUSE Linux Enterprise Server 9, 10 Windows 2000, Windows 2003	QLogic Daughter Card 13N2203
Notes		
1. Tape and disk products must not be attached to the same FC adapter.		

IBM System x and Intel Based Systems

SCSI: LTO Ultrium 4 LVD Drive Feature # 8143 or Models L4S or L4H; LTO Ultrium 3 LVD Drive Feature #8043 or Models L3S, L3H; LTO Ultrium 3 HH LVD Drive Feature 8046 or Models L32 or L34		
Servers	Operating Systems ¹	Host Adapters
Linux Servers	<p>Red Hat Enterprise Linux 4² details SUSE Linux Enterprise Server 9², 10v details Asianux 2.0² details</p> <p>Other versions details</p>	<p>LVD (32bit) Adaptec 29160², 39160² Adaptec 29320, 29320ALP, 39320² Adaptec 2940 U2W² IBM #39R8743², #13N2249 (Adaptec 29320ALP)², #33L5000, #19K4646, #17P8594</p> <p>LVD (64bit) Adaptec 29320ALP, 39320² IBM #39R8743², #13N2249 (Adaptec 29320ALP)², #33L5000, #19K4646, #17P8594</p>
Microsoft™ Windows™ Servers	<p>Windows Server 2003² details Build 3790 or later</p> <p>Windows 2000 Server details Build 2195 or later</p>	<p>LVD Adaptec 29160², 39160² Adaptec 29320, 29320ALP, 39320², 39320D-R, 39320-R Adaptec AHA-29940U2W LSI Logic SYM 22910 Netfinity Adapter #33L5000 IBM #39R8743², #13N2249 (Adaptec 29320ALP)², #33L5000, #19K4646, #17P8594</p>
Notes		
1. Certain restrictions may apply. See the details above for your operating system 2. Ultrium 4 and Ultrium 3 HH drives supported on Red Hat Enterprise Linux 4, SUSE Linux		

Enterprise Server 9 and 10, Asianux 2.0, Windows Server 2003 build 3790 or later

Fibre Channel: LTO Ultrium 4 Feature # 8144 or Models F4S or F4H; LTO Ultrium 3 Drive Feature #8044 or Models F3S, F3H

Servers	Operating Systems ¹	Host Adapters/SAN
Linux Servers	Red Hat Enterprise Linux 4² details SUSE Linux Enterprise Server 9², 10² details Asianux 2.0² details Other versions details	FC HBA Search Tool
Microsoft Windows Servers	Windows Server 2003² details Build 3790 or later Windows 2000 Server details Build 2195 or later	FC HBA Search Tool

Notes

1. Certain restrictions may apply. See the details above for your operating system
2. Ultrium 4 and Ultrium 3 HH drives supported on **Red Hat Enterprise Linux 4, SUSE Linux Enterprise Server 9 and 10, Asianux 2.0, Windows Server 2003 build 3790 or later**

LTO Ultrium 4 SAS Drive Feature #8145 or Models S4S or S4H; LTO Ultrium 3 HH SAS Drive Feature # 8047 or Models S32 or S34

Servers	Operating Systems ¹	Host Adapters
Linux Servers	Red Hat Enterprise Linux 4² details SUSE Linux Enterprise Server 9², 10² details Asianux 2.0² details Other versions details	(32bit) LSI Logic SAS3800 X PCI-X ² IBM SAS HBA Controller #25R8060 ²
Microsoft™ Windows™ Servers	Windows Server 2003² details Build 3790 or later Windows 2003 SP1 and Windows 2003 R2	(32bit) LSI Logic SAS3800 X PCI-X ² IBM SAS HBA Controller #25R8060 ²

Notes		
<ol style="list-style-type: none"> 1. Certain restrictions may apply. See the details above for your operating system 2. Ultrium 4 and Ultrium 3 HH SAS drives supported on Red Hat Enterprise Linux 4, SUSE Linux Enterprise Server 9 and 10, Asianux 2.0, Windows Server 2003 build 3790 or later 		

AMD OPTERON Systems

SCSI: LTO Ultrium 4 LVD Drive Feature # 8143 or Models L4S or L4H; LTO Ultrium 3 LVD Drive Feature #8043 or Models L3S, L3H; LTO Ultrium 3 HH LVD Drive Feature 8046 or Models L32 or L34		
Servers	Operating Systems ¹	Host Adapters
Linux Servers	Red Hat Enterprise Linux 4² details SUSE Linux Enterprise Server 9², 10² details Asianux 2.0² details Other versions details	LVD Adaptec 29320, 29320ALP ² , 39320 ² IBM # 39R8743 ²
Microsoft™ Windows™ Servers	Windows Server 2003² details Build 3790 or later	LVD Adaptec 29160, 39160 Adaptec 29320ALP ² , 39320 ² , 39320D-R, 39320-R Adaptec AHA-29940U2W LSI Logic SYM 22910 Netfinity Adapter #33L5000 IBM #39R8743 ² , #13N2249 (Adaptec 29320ALP) ² , #33L5000, #19K4646, #17P8594

Notes		
1. Certain restrictions may apply. See the details above for your operating system 2. Ultrium 4 and Ultrium 3 HH SCSI drives supported on Red Hat Enterprise Linux 4, SUSE Linux Enterprise Server 9 and 10, Asianux 2.0, Windows Server 2003 build 3790 or later		
Fibre Channel: LTO Ultrium 4 Feature # 8144 or Models F4S or F4H; LTO Ultrium 3 Drive Feature #8044 or Models F3S, F3H		
Servers	Operating Systems ¹	Host Adapters/SAN
Linux Servers	Red Hat Enterprise Linux 4² details SUSE Linux Enterprise Server 9², 10² details Asianux 2.0² details Other versions details	FC HBA Search Tool
Microsoft Windows Servers	Windows Server 2003² details Build 3790 or later	FC HBA Search Tool
Notes		
1. Certain restrictions may apply. See the details above for your operating system 2. Ultrium 4 Fibre drives supported on Red Hat Enterprise Linux 4, SUSE Linux Enterprise Server 9 and 10, Asianux 2.0, Windows Server 2003 build 3790 or later		

Hewlett-Packard Servers

SCSI: LTO Ultrium 4 LVD Drive Feature # 8143 or Models L4S or L4H; LTO Ultrium 3 LVD Drive Feature #8043 or Models L3S, L3H; LTO Ultrium 3 HH LVD Drive Feature 8046 or Models L32 or L34		
Servers	Operating Systems	Host Adapters
HP rp54xx, rp74xx, rp84xx series HP: ³ rx1600, 1620, rx2600, 2620, rx4620, 5670	HP-UX 11.0, 11.11, 11.23PI HP-UX 11iv1⁵, 11i v2⁵	LVD HP A5149A ⁵ HP A5150A ⁵ HP A6828A ^{2,3,5} HP A6829A ^{2,3,5} HP A7173A ^{4,5}

Notes

1. For details and guidelines, please see the [readme](#) file for your operating system.
2. Requires Patch 30511 for HP 11i or Patch 30509 for HP 11.0
3. Itanium 2 servers
4. HP-UX 11i: driver level: scsiU320-00 B.11.11.02; HP-UX 11i v2 (PA-RISC): driver level: scsiU320-00 B.11.23.02; HP-UX 11i v2 (Itanium 2): driver level: scsiU320-00 B.11.23.02
5. Ultrium 4 and Ultrium 3 HH SCSI drives supported on **HP-UX 11iv1, 11i v2**

Fibre Channel: LTO Ultrium 4 Feature # 8144 or Models F4S or F4H; LTO Ultrium 3 Drive Feature #8044 or Models F3S, F3H

Servers	Operating Systems	Host Adapters/SAN
HP rp54xx, rp74xx, rp84xx series HP: ² rx1600, 1620, rx2600, 2620, rx4620, 5670	HP-UX 11.0, 11.11, 11.23PI patch PHKL 21834 for N-Class patch PHKL 22903 for L-Class HP-UX 11iv1³, 11i v2³	FC HBA Search Tool

1. For details and guidelines, please see the [readme](#) file for your operating system.
2. Itanium 2 servers
3. Ultrium 4 Fibre drives supported on **HP-UX 11iv1, 11i v2**

SUN Servers

SCSI: LTO Ultrium 4 LVD Drive Feature # 8143 or Models L4S or L4H; LTO Ultrium 3 LVD Drive Feature #8043 or Models L3S, L3H; LTO Ultrium 3 HH LVD Drive Feature 8046 or Models L32 or L34

Servers	Operating Systems	Host Adapters
SUN SPARC, UltraSPARC or Ultra/Enterprise Servers	Solaris 8 ² , 9 ² , and 10 ² details	Sun X2222A ² , Sun X6758A ² , Sun X4422A ² , Sun X6541 Dual VHDCI, Sun X1062A, Sun X1065A

Notes

1. Certain restrictions may apply. See the details above for your operating system
2. Ultrium 4 and Ultrium 3 HH SCSI drives supported on **Solaris 8, 9, and 10**

Fibre Channel: LTO Ultrium 4 Feature # 8144 or Models F4S or F4H; LTO Ultrium 3 Drive Feature #8044 or Models F3S, F3H		
Servers	Operating Systems	Host Adapters
SUN SPARC, UltraSPARC or Ultra/Enterprise Servers	Solaris 8 ² , 9 ² , and 10 ² details	FC HBA Search Tool .
Notes		
<ol style="list-style-type: none"> 1. Certain restrictions may apply. See the details above for your operating system 2. Ultrium 4 Fibre drives supported on Solaris 8, 9, and 10 		

Network Attached Storage

SCSI: LTO Ultrium 4 LVD Drive Feature # 8143 or Models L4S or L4H; LTO Ultrium 3 LVD Drive Feature #8043 or Models L3S, L3H; LTO Ultrium 3 HH LVD Drive Feature 8046 or Models L32 or L34		
Servers	Operating Systems	Host Adapters
Notes		
Fibre Channel: LTO Ultrium 4 Feature # 8144 or Models F4S or F4H; LTO Ultrium 3 Drive Feature #8044 or Models F3S, F3H		
Servers	Operating Systems	Host Adapters
Notes		
<ol style="list-style-type: none"> 1. Tape and disk products must not be attached to the same FC adapter. 		

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