

IBM TotalStorage™ FAStT Interoperability Matrix

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FAST900, FAST600, and FAST600 with Turbo* Supported Operating Systems with Expansion Units

	IBM xSeries	IBM BladeCenter	IBM pSeries	Compaq ProLiant	Dell PowerEdge	HP NetServer	HP PA-RISC	Sun Fire & Enterprise	EXP100 ¹¹	EXP500 ¹²	EXP700
Windows Server 2003 ¹	✓	✓		✓	✓	✓			9	✓	✓
Windows 2000 Server & Adv.Server ²	✓	✓		✓	✓	✓			✓	✓	✓
Windows NT 4.0 ³	✓			✓	✓	✓				✓	✓
Novell NetWare 6.0	✓			✓	✓	✓			9	✓	✓
Novell NetWare 5.1	✓			✓	✓	✓				✓	✓
Red Hat Enterprise Linux 2.1	✓	✓		✓	✓	✓			✓	✓	✓
SuSE Linux Enterprise Server 8 ⁴	✓	✓	✓ ⁵	✓	✓	✓			✓	✓	✓
RedHat Linux 7.x, 8.0 ⁶	✓	✓		✓	✓	✓				✓	✓
SuSE Professional 8.1	✓	✓		✓	✓	✓				✓	✓
VMWare ESX 1.5.2 and ESX 2.0 ⁷	✓	✓		✓	✓	✓			9	✓	✓
AIX 4.3.3			✓							✓	✓
AIX 5.1, 5.2			✓						✓	✓	✓
HP UX 11, 11i							✓		10	✓	✓
Solaris 2.6 ⁹								✓		✓	✓
Solaris 7								✓	10	✓	✓
Solaris 8,9								✓	9	✓	✓

* - This chart includes the following FASTT Storage Servers with FASTT Storage Manager (FSM) levels:

FAST900 - FSMv8.3 and FSMv8.4

FAST600 - FSMv8.3

FAST600 with Turbo - FSMv8.4

(FSMv8.4 is firmware level - 05.40 level; and FSMv8.3 is firmware level 05.30.)

Footnotes:

1. Microsoft Windows Server 2003 – Enterprise, Standard and Web editions, 32bit and 64bit.
2. Microsoft Windows 2000 Server and Advanced Server with Service Pack 4
3. Microsoft Windows NT v4 with Service Pack 6a
4. United Linux 1.0 with SP2a(32bit) and United Linux 1.0 (IA-64); Turbo Enterprise Server 8 (TLES 8), and Conectiva Linux Enterprise Edition included. 64bit support does not provide FASTT Storage Manager Client/Agent support, another platform must be used for FASTT management.
5. pSeries support is limited to SuSE Linux Enterprise Server 8 with single path (non-failover) only. Refer to [Linux for pSeries \[ftp://ftp.software.ibm.com/storage/fastt/fastt500/FASTT_with_pSeries_Linux.pdf\]](http://ftp.software.ibm.com/storage/fastt/fastt500/FASTT_with_pSeries_Linux.pdf) for additional information.
6. RedHat Linux 7.x support only with FSMv8.3. RedHat Linux 8.0 with FSMv8.3 & FSMv8.4.
7. VM ESX 1.5.2 supported only with FSM v8.3.
8. Solaris 2.6 supported only with FSMv8.3.
9. IBM intends to provide support in 1Q2004
10. IBM intends to provide support in 3Q2004
11. Requires FASTT Storage Manager v8.41 (controller firmware version 05.41).
12. FASTT EXP500 Storage Expansion units can not attach to FASTT600 nor FASTT600 with Turbo Storage Servers.

General Notes:

Please refer to the README files for additional configuration details and limitations found at

<http://www-1.ibm.com/servers/storage/support/fastt/fastt900.html>

<http://www-1.ibm.com/servers/storage/support/fastt/fastt600.html>

Support based on Minimum Server Requirements.: See page 12 for details.

Refer to Storage Manager Operating System Support & Advanced Features on page 10 for additional details.

FASTT700* Supported Operating Systems with Expansion Units

	IBM xSeries	IBM BladeCenter	IBM pSeries	Compaq ProLiant	Dell PowerEdge	HP NetServer	HP PA-RISC	Sun Fire & Enterprise	EXP100	EXP500	EXP700
Windows Server 2003 ¹	✓	✓		✓	✓	✓			9	✓	✓
Windows 2000 Server & Adv.Server ²	✓	✓		✓	✓	✓			9	✓	✓
Windows NT 4.0 ³	✓			✓	✓	✓				✓	✓
Novell NetWare 6.0	✓			✓	✓	✓			9	✓	✓
Novell NetWare 5.1	✓			✓	✓	✓				✓	✓
Red Hat Enterprise Linux 2.1	✓	✓		✓	✓	✓			0	✓	✓
SuSE Linux Enterprise Server 8 ⁴	✓	✓	✓ ⁵	✓	✓	✓			9	✓	✓
RedHat Linux 7.x, 8.0 ⁶	✓	✓		✓	✓	✓				✓	✓
SuSE Professional 8.1	✓	✓		✓	✓	✓				✓	✓
VMWare ESX 1.5.2 and ESX 2.0 ⁷	✓	✓		✓	✓	✓			9	✓	✓
AIX 4.3.3			✓							✓	✓
AIX 5.1, 5.2			✓						9	✓	✓
HP UX 11, 11i							✓		9	✓	✓
Solaris 2.6 ⁸								✓		✓	✓
Solaris 7								✓	9	✓	✓
Solaris 8, and 9								✓	9	✓	✓

* - This chart includes the following FASTT Storage Servers with FASTT Storage Manager (FSM) levels:
 FASTT700 - FSMv8.3 and FSMv8.4
 (FSMv8.4 is firmware level - 05.40 level; and FSMv8.3 is firmware level 05.30.)

Footnotes:

1. Microsoft Windows Server 2003 – Enterprise, Standard and Web editions, 32bit and 64bit.
2. Microsoft Windows 2000 Server and Advanced Server with Service Pack 4
3. Microsoft Windows NT v4 with Service Pack 6a
4. United Linux 1.0 with SP2a(32bit) and United Linux 1.0 (IA-64); Turbo Enterprise Server 8 (TLES 8), and Conectiva Linux Enterprise Edition included. 64bit support does not provide FASTT Storage Manager Client/Agent support, another platform must be used for FASTT management.
5. pSeries support is limited to SuSE Linux Enterprise Server 8 with single path (non-failover) only. Refer to [Linux for pSeries](http://ftp.software.ibm.com/storage/fastt/fastt500/FASTT_with_pSeries_Linux.pdf) ftp://ftp.software.ibm.com/storage/fastt/fastt500/FASTT_with_pSeries_Linux.pdf for additional information.
6. RedHat Linux 7.x support only with FSMv8.3. RedHat Linux 8.0 with FSMv8.3 & FSMv8.4.
7. VM ESX 1.5.2 supported only with FSM v8.3.
8. Solaris 2.6 supported only with FSMv8.3.
9. IBM intends to provide support in 3Q2004

General Notes:

Please refer to the README files for additional configuration details and limitations found at <http://www-1.ibm.com/servers/storage/support/fastt/fastt700.html>

Support based on Minimum Server Requirements: See page 12 for details

Refer to Storage Manager Operating System Support & Advanced Features on page 10 for additional details

FASTT900 and FASTT700 Supported HBAs

	IBM xSeries	IBM pSeries	Compaq Proliant	Dell PowerEdge	HP NetServer	HP PA-RISC	Sun Fire	Sun Enterprise
IBM FC - 00N6881/fc#2102	✓		✓	✓	✓			
IBM FC2/66-19K1246/fc#2103	✓		✓	✓	✓			
IBM FC2/133-24P0960/fc#2104	✓		✓	✓	✓			
IBM pSeries fc#6228		✓						
IBM pSeries fc#6239		✓						
IBM pSeries fc#6227		✓						
Compaq 64bit/66MHz			✓					
HP D8602B					✓			
HP A3740, A5158A						✓		
HP A3591B, A6795A						✓		
JNI FC64-1063-N, FCE-1063, FCE2-1063							✓	✓
JNI FCE-1473							✓	✓
JNI FCI-1063-N							✓	✓
JNI FCE-6410, FCE-6460							✓	✓
JNI FCX2-6562, FCE2-6412							✓	✓
Qlogic QLA2200F ¹	✓		✓	✓	✓			
Qlogic QLA2300F ²	✓		✓	✓	✓		✓ ³	✓ ³
Qlogic QLA2310F ²	✓		✓	✓	✓			
Qlogic QLA2340 ² , QLA2342 ²	✓		✓	✓	✓		✓ ³	✓ ³
Emulex LP9002, LP9402, LP9802 ⁴	✓		✓	✓	✓			

1. Qlogic adapters are only supported if used in conjunction with IBM FASTT BIOS and Device Driver, plus the QLA2202F is only supported in the IBM NAS 300G.
2. Qlogic adapters are only supported if used in conjunction with IBM FASTT FC-2 BIOS and Device Driver.
3. Qlogic adapters on SUN servers with Solaris 7, 8 and 9 only.
4. Emulex adapters with Windows 2000 Server and Advanced Server only.

Note:

1Gb HBA will continue to operate at 1Gb speed when attached to 2Gb devices. When attaching 1Gb HBAs directly to a 2Gb FASTT controller the ports on the FASTT controller must be manually set to 1Gb to allow the HBA to see the FASTT controller.

For detailed HBA support information refer to

<http://knowledge.storage.ibm.com/HBA/HBASearchTool>

For information on configurations with IBM eServer BladeCenter refer to:

<http://www-3.ibm.com/pc/support/site.wss/migr-46241.html>

FASTT600 and FASTT600 w/Turbo Supported HBAs

	IBM xSeries	IBM pSeries	Compaq Proliant	Dell PowerEdge	HP NetServer	HP PA-RISC	Sun Fire	Sun Enterprise
IBM FC2/66-19K1246/fc#2103 ^{1,2}	✓		✓	✓	✓			
IBM FC2/133-24P0960/fc#2104 ²	✓		✓	✓	✓			
IBM pSeries fc#6239		✓						
IBM pSeries fc#6228		✓						
IBM pSeries fc#6227 ⁵		✓						
HP A6795A						✓		
HP A5158A						✓		
JNI FCE-1473							✓	✓
JNI FCE-6460							✓	✓
Qlogic QLA2200F ^{1,2,3}	✓		✓	✓	✓			
Qlogic QLA2300F ^{2,4}	✓		✓	✓	✓		✓ ⁶	✓ ⁶
Qlogic QLA2310F ^{2,4}	✓		✓	✓	✓			
Qlogic QLA2340 ^{2,4} , QLA2342 ^{2,4}	✓		✓	✓	✓		✓ ⁶	✓ ⁶
Emulex LP9002, LP9402, LP9802 ⁷	✓		✓	✓	✓			

Notes:

FASTT600 only supports 2Gb host and fabric connections.

FASTT600 with Turbo feature supports 1/2Gb host and fabric connections.

1. Not supported directly attached to the FASTT600. This adapter is supported via attachment through IBM qualified 2Gb Fibre channel Switches and directors.
2. Please refer to the README files for supported versions of these adapters and additional configuration details and limitations found at <http://www-3.ibm.com/pc/support/site.wss/MIGR-50177.html>
3. Qlogic adapters are only supported if used in conjunction with IBM FASTT BIOS and Device Driver.
4. Qlogic adapters are only supported if used in conjunction with IBM FASTT FC-2 BIOS and Device Driver.
5. Direct attach only to the FASTT600 with Turbo feature.
6. Qlogic adapters on SUN servers with Solaris 7, 8 and 9 only.
7. Emulex adapters with Windows 2000 Server and Advanced Server only.

For detailed HBA support information refer to:

<http://knowledge.storage.ibm.com/HBA/HBASearchTool>

For information on configurations with IBM eServer Bladecenter refer to:

<http://www-3.ibm.com/pc/support/site.wss/migr-46241.html>

FASTT200, and FASTT500* Supported Operating Systems with Expansion Units

	IBM xSeries	IBM BladeCenter	IBM pSeries	Compaq Proliant	Dell PowerEdge	HP NetServer	HP PA-RISC	Sun Fire & Enterprise	EXP500	EXP700
Windows Server 2003 ¹	✓	✓		✓	✓	✓			✓	✓
Windows 2000 Server & Adv.Server ²	✓	✓		✓	✓	✓			✓	✓
Windows NT 4.0 ³	✓			✓	✓	✓			✓	✓
Novell NetWare 5.1, 6.0	✓			✓	✓	✓			✓	✓
Red Hat Enterprise Linux 2.1	✓	✓		✓	✓	✓			✓	✓
SuSE Linux Enterprise Server 8 ⁴	✓	✓	✓ ⁵	✓	✓	✓			✓	✓
RedHat Linux 7.x, 8.0	✓	✓		✓	✓	✓			✓	✓
SuSE Professional 8.1	✓	✓		✓	✓	✓			✓	✓
VMWare ESX 1.5.2	✓	✓		✓	✓	✓			✓	✓
AIX 4.3.3, 5.1, 5.2			✓						✓	✓
HP UX 11, 11i							✓		✓	✓
Solaris 2.6, 7, 8, 9								✓	✓	✓

* - This chart includes the following FASTT Storage Servers with FASTT Storage Manager (FSM) levels:
 FASTT500 - FSMv8.3
 FASTT200 - FSMv8.3 (FSMv8.3 is firmware level 05.30.)

Footnotes:

1. Microsoft Windows Server 2003 – Enterprise, Standard and Web editions, 32bit and 64bit.
2. Microsoft Windows 2000 Server and Advanced Server with Service Pack 4
3. Microsoft Windows NT v4 with Service Pack 6a
4. United Linux 1.0 with SP2a(32bit) and United Linux 1.0 (IA-64); Turbo Enterprise Server 8 (TLES 8), and Conectiva Linux Enterprise Edition included. 64bit support does not provide FASTT Storage Manager Client/Agent support, another platform must be used for FASTT management.
5. pSeries support is limited to SuSE Linux Enterprise Server 8 with single path (non-failover) only. Refer to [Linux for pSeries](http://ftp.software.ibm.com/storage/fastt/fastt500/FASTT_with_pSeries_Linux.pdf) [\[ftp://ftp.software.ibm.com/storage/fastt/fastt500/FASTT_with_pSeries_Linux.pdf\]](http://ftp.software.ibm.com/storage/fastt/fastt500/FASTT_with_pSeries_Linux.pdf) for additional information.

General Notes:

Please refer to the README files for additional configuration details and limitations found at <http://www-1.ibm.com/servers/storage/support/fastt/fastt500.html>
<http://www-1.ibm.com/servers/storage/support/fastt/fastt200.html>

Support based on Minimum Server Requirements: See page 12 for details

Refer to Storage Manager Operating System Support & Advanced Features on page 10 for additional details

FASTT200 and FASTT500 Supported HBAs

	IBM xSeries	IBM pSeries	Compaq Proliant	Dell PowerEdge	HP NetServer	HP PA-RISC	Sun Fire & Enterprise
IBM FC - 00N6881/fc#2102	✓		✓	✓	✓		
IBM FC2/66-19K1246/fc#2103	✓		✓	✓	✓		
IBM FC2/133-24P0960/fc#2104	✓		✓	✓	✓		
IBM pSeries fc#6227		✓					
IBM pSeries fc#6239		✓					
IBM pSeries fc#6228		✓					
Compaq 64bit/66MHz			✓				
HP D8602B					✓		
HP A3740, A5158A						✓	
HP A3591B, A6795A						✓ ³	
JNI FC64-1063-N, FCE-1063, FCE2-1063							✓
JNI FCE-1473							✓
JNI FCI-1063-N							✓
JNI FCE-6410, FCE-6460							✓
JNI FCX2-6562, FCE2-6412							✓
Qlogic QLA2200F ¹	✓		✓	✓	✓		
Qlogic QLA2300F ²	✓		✓	✓	✓		
Qlogic QLA2310F ²	✓		✓	✓	✓		
Qlogic QLA2340 ² , QLA2342 ²	✓		✓	✓	✓		

1. Qlogic adapters are only supported if used in conjunction with IBM FASTT BIOS and Device Driver plus the QLA2202F is only supported in the IBM NAS 300G.
2. Qlogic adapters are only supported if used in conjunction with IBM FASTT FC-2 BIOS and Device Driver.
3. FASTT500 only.

Note:

- 1Gb HBA will continue to operate at 1Gb speed when attached to 2GB devices. When attaching 1Gb HBAs directly to a 2Gb FASTT controller the ports on the FASTT controller must be manually set to 1Gb to allow the HBA to see the FASTT controller

For detailed HBA support information refer to

<http://knowledge.storage.ibm.com/HBA/HBASearchTool>

Supported SAN Fabrics³

	FASTT 200	FASTT 600 (Including Turbo)	FASTT 500	FASTT 700	FASTT900
IBM TotalStorage Switch					
<u>IBM 3534-F08</u>	✓	✓	✓	✓	✓
IBM 2109-S08	✓	1	✓	✓	✓
IBM 2109-S16	✓	1	✓	✓	✓
<u>IBM 2109-F16</u>	✓	✓	✓	✓	✓
<u>IBM 2109-F32</u>	✓	✓	✓	✓	✓
<u>IBM 2109-M12</u>	✓	✓	✓	✓	✓
McDATA Switch					
2031-016	✓	1	✓	✓	✓
2031-032	✓	1	✓	✓	✓
2031-216	✓	✓	✓	✓	✓
<u>2031-232</u>	✓	✓	✓	✓	✓
<u>2031-224</u>	✓	✓	✓	✓	✓
<u>2032-064</u>	✓	✓ ¹	✓	✓	✓
<u>2032-140</u>	✓	✓ ¹	✓	✓	✓
2034-212	✓	✓	✓	✓	✓
CNT (INRANGE) Switch					
<u>2042-001</u>	✓	✓ ¹	✓	✓	✓
<u>2042-128</u>	✓	✓ ¹	✓	✓	✓
<u>2042-256</u>	✓	✓ ¹	✓	✓	✓
Cisco Switch					
2061-020 (MDS9120)	✓	✓	✓	✓	✓
2061-040 (MDS9140)	✓	✓	✓	✓	✓
<u>2062-D01 (MDS9216)</u>	✓	✓	✓	✓	✓
<u>2062-D04/T04 (MDS9506)</u>	✓	✓	✓	✓	✓
<u>2062-D07/T07 (MDS9509)</u>	✓	✓	✓	✓	✓
IBM eServer BladeCenter²					
BladeCenter 2-port FC Switch Module (p/n:48P7062)	✓	✓	✓	✓	✓
FC Managed Hub					
<u>IBM 3534-1RU</u>	✓	1	✓	✓	

Notes:

1. FASTT600 requires 2Gb port capabilities for attachment. FASTT600 with Turbo feature will autosense to 1Gb or 2Gb.
2. Support for direct attach of FASTT controller to BladeCenter Switch (48P7062). For fabric support, use BladeCenter Optical Pass-thru Modules (OPM: 02R9080).
3. More detailed SAN Fabric info is available at: <http://www.storage.ibm.com/ibmsan/index.html>

FASTT Storage Servers - Clustering Support

	FASTT 200	FASTT 600	FASTT 600 w/ Turbo feature	FASTT 500	FASTT 700	FASTT900	EXP100	EXP500	EXP700
Microsoft Cluster Services ¹	✓	✓	✓	✓	✓	✓	✓	✓	✓
Novell Cluster Services	✓	✓	✓	✓	✓	✓	4	✓	✓
IBM HACMP ²	✓	✓	✓	✓	✓	✓	4	✓	✓
IBM SAN Volume Controller 1.1.1.1	✓	✓	✓	✓	✓	✓	4	✓	✓
PSSP, GPFS/RVSD Support ²		✓	✓	✓	✓	✓	4	✓	✓
HP MC/Service Guard	✓	✓	✓	✓	✓	✓	5	✓	✓
Solaris 8 with Veritas Cluster Server 3.5	✓	✓	✓	✓	✓	✓	4	✓	✓
Veritas Volume Manager 3.1,3.2 & 3.5 (Solaris)	✓	✓	✓	✓	✓	✓	4	✓	✓
GPFS for Linux v1.3 ³	✓	✓	✓	✓	✓	✓	4	✓	✓

Notes:

1. [Multiple Windows Cluster configurations are supported with FASTT Windows Server 2003 RDAC level 08403500 or later.](#)
2. For the most current supported HACMP, PSSP, GPFS/RVSD configurations see the config files posted on:
 - [HACMP Configuration Information](#)
ftp://ftp.software.ibm.com/storage/fastt/fastt500/HACMP_config_info.pdf
 - [PSSP-GPFS Configuration Information](#)
ftp://ftp.software.ibm.com/storage/fastt/fastt500/PSSP-GPFS_config_info.pdf
3. GPFS for Linux supported on selected xSeries servers running RedHat Professional 8.0, RedHat 7.2, 7.3, SuSE Linux Enterprise Server 7 or 8, or United Linux 1.0. Refer to the IBM Linux and eServer Cluster support pages.
 - o <http://www.ibm.com/servers/eserver/clusters>
 - o <http://www.ibm.com/linux>
4. Support for these environments with attachment to FASTT600, FASTT600 with Turbo Feature or FASTT900 is expected to be available in 1Q04.
5. Support for these environments with attachment to FASTT600, FASTT600 with Turbo Feature, FASTT700 or FASTT900 is expected to be available in 3Q04.

FASTT Storage Manager Operating System Support & Advanced Features

	Microsoft Windows	Novell Netware	RedHat Enterprise Linux	RedHat Linux	SuSE Linux Enterprise Server	SuSE Linux	United Linux	AIX	SLES for pSeries	SAN Volume Controller	HP-UX	Solaris
FASTT200												
Storage Manager 8.3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FlashCopy	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
FASTT500												
Storage Manager 8.3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FlashCopy	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
Remote Mirroring	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
FASTT600 with EXP700												
Storage Manager 8.3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FlashCopy ¹	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
FASTT600 with EXP100												
Storage Manager 8.41	✓	2	✓		✓	✓	✓	✓	2	2	3	2
FlashCopy	2	2	2		2	2	2	2			3	2
FASTT600 Turbo with EXP700												
Storage Manager 8.4	✓	✓	✓	✓	✓	✓	✓	✓	✓	4	✓	✓
FlashCopy	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
VolumeCopy	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
FASTT600 Turbo with EXP100												
Storage Manager 8.41	✓	2	✓		✓	✓	✓	✓	2	2	3	2
FlashCopy	2	2	2		2	2	2	2			3	2
VolumeCopy	2	2	2		2	2	2	2			3	2
FASTT700 with EXP700⁵												
Storage Manager 8.3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Storage Manager 8.4	✓	✓	✓	✓	✓	✓	✓	✓	✓	4	✓	✓
FlashCopy	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
VolumeCopy	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
Remote Mirroring	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
FASTT900 with EXP700⁵												
Storage Manager 8.3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Storage Manager 8.4	✓	✓	✓	✓	✓	✓	✓	✓	✓	4	✓	✓
FlashCopy	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
VolumeCopy	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
Remote Mirroring	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
FASTT900 with EXP100												
Storage Manager 8.41	✓	2	✓		✓	✓	✓	✓	2	3	3	2
FlashCopy	2	2	2		2	2	2	2			3	2
VolumeCopy	2	2	2		2	2	2	2			3	2
Remote Mirroring	2	2	2		2	2	2	2			3	2

Refer to the specific FASTT models support matrix above for additional details on supported platforms and operating system levels.

Notes:

1. Adding FlashCopy feature to the FASTT600 without Turbo requires FSMv8.4 which is included with the FlashCopy feature code #7359 (PN: 24P8220).
2. IBM intends to provide support for EXP100 in 1Q2004.
3. IBM intends to provide support for EXP100 in 2Q2004.
4. IBM intends to provide support in November 2003.
5. Attachment of FASTT EXP500 also supported, with 1Gb FC disk throughput.

FASTT Storage Server, Operating System Support

	FASTT 200	FASTT500	FASTT600	FASTT600 w/Turbo feature	FASTT700	FASTT900	Heterogeneous Support	Dynamic Functions ¹
AIX 4.3.3, 5.1, 5.2	✓	✓	✓	✓	✓	✓	✓	✓ ²
SUN Solaris 2.6, 7, 8 and 9 ³	✓	✓	✓	✓	✓	✓	✓	✓
HP-UX 11, 11i	✓	✓	✓	✓	✓	✓	✓	✓
Windows NT4.0	✓	✓	✓	✓	✓	✓	✓	✓
Windows 2000 Server & Adv.Server	✓	✓	✓	✓	✓	✓	✓	✓
Windows Server 2003	✓	✓	✓	✓	✓	✓	✓	✓
NetWare 5.1, 6.0	✓	✓	✓	✓	✓	✓	✓ ⁴	✓
Red Hat Enterprise Linux 2.1	✓	✓	✓	✓	✓	✓	✓	✓
Red Hat Linux 7.x, 8.0 ⁵	✓	✓	✓	✓ ⁵	✓	✓	✓	✓
SuSE Linux Enterprise Server 8	✓	✓	✓	✓	✓	✓	✓	✓ ⁷
SuSE Professional 8.1	✓	✓	✓	✓	✓	✓	✓	✓
VMWare ESX 1.5.2	✓	✓	✓	✓	✓	✓	✓	✓
VMWare ESX 2.0 ⁶			✓	✓	✓	✓	✓	✓
United Linux 1.0	✓	✓	✓	✓	✓	✓	✓	✓
IBM Dynix 4.4.10, 4.5.3, 4.6.1 ⁸	✓							✓

Refer to the specific FASTT models support matrix above for additional details on supported platforms and operating system levels.

1. Support for:
 - DSS – Dynamic Segment Sizing
 - DRM – Dynamic RAID Migration
 - DCE – Dynamic Capacity Expansion
 - DVE – Dynamic Volume Expansion
2. DVE support for AIX requires AIX 5.2.
3. Solaris 2.6 support only with FSMv8.3.
4. Netware 5.1 is not included in heterogeneous configurations that include HACMP for AIX.
5. RedHat Linux 7.x support only with FSMv8.3.
6. VMWare ESX 2.0 only supported with FSMv8.4 at this time.
7. Dynamic feature support is not available for SUSE Linux Enterprise Server 8 for pSeries.
8. Dynix support only with FASTT200 Storage Server using hba: IOC-2010-54.

Refer to Storage Manager Operating System Support & Advanced Functions on page 10 for additional details.

Minimum Server Hardware Requirements

	Processor	Memory
Intel Based	Pentium II 450MHz	512MB
SUN	250MHz SPARC	1GB
HP PA-RISC	440 MHz	1GB
IBM pSeries	All pSeries, RS/6000, RS/6000 SP servers with fc#6239, #6228 or #6227.	

Note:

- Refer to the IBM Server Proven web site for the latest compatibility information for xSeries servers: <http://www.pc.ibm.com/us/compat/storage/fcmatrix.html>

HBA Detailed Information

For detailed HBA information such as code levels please use one of the following links:

<http://knowledge.storage.ibm.com/HBA/HBASearchTool>