



# Quantum Prism FC470 Quick Reference Document

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Prism Architecture™ allows for easy conversion from the SCSI host interface to a Fibre Channel host interface. This document describes minimum requirements and tested configurations for the Prism FC470. Check the customer environment to ensure the minimum requirements are met prior to installing the Prism FC470.

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### Tested Fibre Channel HBAs

The following table lists the Fibre Channel HBAs tested at the time of this printing. For an updated list of Fibre Channel HBAs, please see [www.quantum.com](http://www.quantum.com).

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Table 1 Tested Fibre Channel HBAs

Manufacturer	Model #	Minimum Driver Level
Qlogic	2310 and 2342	See manufacturer's website for latest driver information.
Emulex	LP9002L and LP9402NC	See manufacturer's website for latest driver information.
JNI	FCE-6460	See manufacturer's website for latest driver information.

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### Tested Fibre Channel Switches

The following table lists the Fibre Channel switches tested at the time of this printing. For an updated list of Fibre Channel switches, please see [www.quantum.com](http://www.quantum.com).

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Table 2 Tested Fibre Channel Switches

Manufacturer	Model Name/Number
Brocade	2800, 3800, and 3900
McData	Sphereon 4500
SANbox II	64

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### Tested Backup Applications

The following table lists the backup applications tested at the time of this printing. For an updated list of supported backup applications, please see [www.quantum.com](http://www.quantum.com).

Table 3 Supported Backup Applications

Software Developer	Application	Version
Veritas	NetBackup	4.5
	Backup Exec	9.0
Computer Associates	BrightStor Enterprise	10.0 (SP4)
Legato	Networker	7.0

### Tested Configurations

The following table lists various configurations tested at the time of this printing. For an updated list of tested configurations, please see [www.quantum.com](http://www.quantum.com).

Table 4 Tested Configurations

Library (FW 3.45 BB 2.20)	Tape Drive	Tape Drive Firmware	ISV Package	Operating System	HBA	HBA Driver	Fibre Switch and Firmware	X-copy
P4000	HP LTO-2	F45Z	BSEB 10.0 (SP4)	Solaris 8	QLA2310F	4.08	SANbox2-64 FW 1.05.21	
P4000 (Note 1 and 4)	HP LTO-2	F45Z	BSEB 10.0 (SP4)	Win NT	QLA2342	8.1.5.12 and QLdirect 8.01.07	McData 4500 FW 04.01.00	X-copy
P4000 with NetApp 760 with Ontap 6.4.1 (Notes 2 and 3)	HP LTO-2	F45Z	NB 4.5	Win 2K	N/A	N/A	Brocade 3900 FW 4.0.2	
P4000	IBM LTO-2	2CKN	BSEB 10.0 (SP4)	Win NT	LP9002L	4-5.00a10-1	SANbox2-64 FW 1.05.21	X-copy
P4000	IBM LTO-2	2CKN	NW 7.0	Win 2K	QLA2310F	8.2.0.10 and QLdirect 8.01.07	Brocade 3800 and 2800 FW 3.0.2g and 2.6.0e	
P4000	IBM LTO	25D4	BE 9.0	Win NT	LP9002L	4-5.00a10-1	SANbox2-64 FW 1.05.21	

<b>Library (FW 3.45 BB 2.20)</b>	<b>Tape Drive</b>	<b>Tape Drive Firmware</b>	<b>ISV Package</b>	<b>Operating System</b>	<b>HBA</b>	<b>HBA Driver</b>	<b>Fibre Switch and Firmware</b>	<b>X- copy</b>
P4000	IBM LTO	25D4	BSEB 10.0 (SP4)	Solaris 8	FCE-6460	5.1.1	Brocade 3800 and 2800 FW 3.0.2g and 2.6.0e	
P4000	IBM LTO	25D4	NB 4.5	Solaris 8	QLA2310F	4.08	Brocade 3800 and 2800 FW 3.0.2g and 2.6.0e	X- copy
P4000	IBM LTO	25D4	NW 7.0	Solaris 9	LP9402DC	5.01e	Brocade 3800 and 2800 FW 3.0.2g and 2.6.0e	
P4000	SDLT - 320	V46	BE 9.0	Win 2K	QLA2342	8.2.0.10	SANbox2-64 FW 1.05.21	
P4000	SDLT - 320	V46	NB 4.5	Win NT	LP9402DC	4- 5.00a10-1	McData 4500 FW 04.01.00	
P4000 with NetApp 760 with Ontap 6.4R1 (Note 2)	SDLT - 320	V46	NB 4.5	Win 2K	N/A	N/A	Brocade 3900 and SANbox2-64 FW 4.0.2 and 1.05.21	
P7000 (Note 4)	HP LTO-2	F45Z	BSEB 10.0 (SP4)	Win 2K	LP9402DC	5- 5.00a10-1	Brocade 3800 and 2800 FW 3.0.2g and 2.6.0e	X- copy
P7000	IBM LTO-2	2CKN	NB 4.5	Solaris 9	LP9402DC	5.01e	SANbox2-64 FW 1.05.21	X- copy
P7000 (Note 4)	SDLT -220	V46	BSEB 10.0 (SP4)	Win 2K	QLA2310F	8.2.0.10 and QLdirect 8.01.07	SANbox2-64 FW 1.05.21	X- copy

Library (FW 3.45 BB 2.20)	Tape Drive	Tape Drive Firmware	ISV Package	Operating System	HBA	HBA Driver	Fibre Switch and Firmware	X- copy
P7000	SDLT -220	V46	NW 7.0	Win 2K	QLA2310F	8.2.0.10 and QLdirect 8.01.07	SANbox2-64 FW 1.05.21	

Note 1 - When multiple concurrent serverless (xcopy) backup jobs are submitted, only one job is running at a time. The rest of the backup jobs are queued and completed successfully one by one.

Note 2 - NetApp (Ontap 6.4R1 and 6.4.1) recognizes only one Fibre port on the FC470. Devices on the other Fiber port will not be recognized. All devices must be mapped to one port. IBM LTO Gen 2 tape drives are not supported at this time.

Note 3 - A tape device configuration file (patch) needs to be added under /etc/tape\_config folder on NetApp Ontap to support HP LTO Gen 2 drives. For detailed information, go to [http://www.netapp.com/solutions/data\\_protection\\_devices.html](http://www.netapp.com/solutions/data_protection_devices.html). IBM LTO Gen 2 tape drives are not supported at this time.

Note 4 - If Xcopy is running on BrightStor, from the FC470 web browser, under System Menu and Active Fabric page, the Unit Attention Override Mode must be enabled.

Table 5 ISV Package Explanations

ISV Package	Explanation
BSEB	BrightStor Enterprise Backup 10.0 (SP4)
NB 4.5	Veritas NetBackup 4.5
NW 7.0	Legato NetWorker 7.0
BE 9.0	Veritas BackupExec 9.0