



Brocade Fabric OS 7.x Compatibility Matrix

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This document summarizes equipment known to be compatible with the Brocade® Fabric OS (FOS) 7.x family. Products named in the compatibility tables reflect equipment tested at Brocade or tested externally.

NOTE: This information is constantly being updated. For the latest compatibility information, visit vendor Web sites, some which are listed on page 5.

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Chapter 1: Introduction

OVERVIEW

Brocade and its OEM and Developer Partners have tested a wide variety of devices for compatibility with the Brocade FOS 7.0 product family. You can find a current list of Brocade products and data sheets at:

<http://www.brocade.com/products/index.page>

These support and compatibility guidelines were generated for your reference based on product testing and operation of products in customer installations. The devices listed are deemed compatible with Brocade products in a Brocade infrastructure. Brocade cannot provide direct support for the end nodes or applications listed in this document, but they are committed to ensuring that the Brocade infrastructure is operating correctly while interoperating with these components. The components listed in this document are not guaranteed to work in all configurations, but Brocade is committed to helping customers with a valid Brocade Support Contract to resolve any compatibility issues.

NOTE: If an item is not listed—it does not mean that it is incompatible. It may simply mean that it has not been tested.

In this document, the term “compatibility” means having the ability to connect to the Brocade product, to register with the name server (if appropriate), and to support a moderate level of I/O. Users of this list should plan on validating their specific configuration with a level of testing appropriate to their application.

Brocade expects suppliers of complete solutions (OEM or Integration Partners) to provide details on configurations they have certified. This document provides the basis for integrators to assemble working systems that they can support and certify. However, Brocade cannot certify that any components on this list, when attached to any other component via our switching products, will operate with no issues. Brocade is committed to actively testing and correcting any issues with its product and to work with Partners to help resolve compatibility issues as they are reported.

This document provides an overview of supported devices within Brocade data center infrastructure. Guidance is provided on products that are known to integrate with a Brocade infrastructure. To ensure proper integration, users should refer questions on configuration details to their OEM or integrator supporting these devices. Brocade expects that the solution provider will supply detailed guidelines on the correct firmware, driver, and configuration settings required to ensure that specific needs are met.

By the date of publication of this document, vendors may offer more recent software support for their products. Users of this document should refer questions on end-to-end interoperability to their OEM or Integration Partner. Your support provider can assist with the proper configuration and tuning of your end-to-end solution. The products listed in this document are considered compatible in a Brocade infrastructure.

BROCADE DATA CENTER READY

This program provides a set of key guidelines to ensure that partners' products meet the minimum requirements for compatibility in a Brocade networked storage environment. “Data Center Ready” is intended to provide assurance that standard off-the-shelf components can integrate seamlessly in an existing Brocade data center infrastructure. For more information about the Brocade Developer Program and Data Center Ready compatibility, visit: www.brocade.com/partnerships/technology-alliance-partners/developers/index.page

In addition to the product testing performed by Brocade, Brocade OEM and Development Partners also have extensive testing programs. Each of these partners might maintain their own compatibility, interoperability, or support guidelines and can provide detailed information on the configurations they support. Products and product variants not specifically listed in this document might be compatible and supported in a production Storage Area Network

(SAN) infrastructure. Your OEM or Integration Partner is the first line for questions on supported devices, fabric configuration, firmware or Fabric OS[®] selection, and settings for end-to-end solution deployment.

RELATED WEB SITES

In addition to other Brocade product compatibility and interoperability matrix documents, this document is available on: www.brocade.com/compatibility

Many Brocade partners provide detailed support information online, included but are not limited to:

- EMC: <http://www.emc.com/interoperability/index.jsp>
- Fujitsu: <http://ts.fujitsu.com/products/storage/matrixEP.html>
- HDS: <http://www.hds.com/products/interoperability/>
- HP: <http://h18006.www1.hp.com/products/storageworks/san/documentation.html>
- IBM: <http://www-1.ibm.com/servers/storage/support/san/index.html>
- NetApp: <http://support.netapp.com/matrix/mtx/login.do>

SENDING FEEDBACK

Send questions, corrections, or suggestion for improving this document to: compmatrix@brocade.com

Chapter 2: Brocade FOS 7.x Platforms

To find out more about Brocade FOS 7.x platforms and to view data sheets for these products, visit:
<http://www.brocade.com/products/index.page>

NOTE: All Brocade FOS 7.x platforms in the table support hot code activation unless otherwise noted.

MODEL
Brocade 300 Switch
Brocade 5100/VA-40FC Switch
Brocade 5300 Switch
Brocade 6505 Switch
Brocade 6510 Switch
Brocade 6520 Switch
Brocade 7800 Extension Switch
Brocade 8510-8 and 8510-4 Backbones Port blades: FC16-32/48, FC8-32E/48E/64 Intelligent blades: FS8-18, FX8-24
Brocade DCX and DCX-4SBackbone Port blades: FC8-16/32/48/64 Intelligent blades: FC10-6, FR4-18i, FA4-18, FS8-18, FX8-24
Brocade 54xx and 65xx embedded 8 Gbps and 16 Gbps switches for blade servers

Chapter 3: Server Adapters by Vendor

NOTE: This document lists compatibility with Brocade switches running FOS 7.x. For compatible partner software and hardware with Brocade server adapters, you can refer to www.brocade.com/adapters for the Brocade Server Adapter Matrix.

ATTO

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
ATTO	FC-44ES, FC-82EN	2, 4, 8	300, 5100, VA-40FC, 5300, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	FC-42ES, FC82-EN	2, 4, 8	

Brocade

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
Brocade	1860	4, 8, 10, 16	300, 5100, VA-40FC, 5300, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	825, 815	2, 4, 8	
	425, 415	2, 4	
	1867	2, 4, 8, 16	65XX
	804	2, 4, 8	54XX

Bull

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
Bull	LP1105-BU	2, 4	54XX

Cisco

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
Cisco	N2XX-AEPCI05	2, 4, 8	300, 5100, VA-40FC, 5300, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	N2XX-AEPC103	2, 4	

Dell

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
Dell	331-0237, 331-0238	2, 4, 8	300, 5100, VA-40FC, 5300, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	LPe16000, LPe16002	4, 8, 16	
	LPe1200-E, LPe12002-E, LPe1205-M	2, 4, 8	
	LPe11002-E, LPe1150-E, LPe1105	2, 4	
	LPe1105-M, LP10000	2	
	QLE2660	4, 8, 16	
	QLE2560, QLE2562	2, 4, 8	
	QLE2462	2, 4	
	LPe1205-M	2, 4, 8	
	LPe1105	2, 4	
	LPe1105-M	2	

EMC

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
EMC	EM-1860-1F00, EM-1860-1P00, EM-1860-2F00, EM-1860-2P00	2, 4, 8, 16	300, 5100, VA-40FC, 5300, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	EM-815-0010, EM-825-0010	2, 4, 8	
	EM-415-0010, EM-425-0010	2, 4	
	LPe16000-E, LPe16002-E	4, 8, 16	
	LPe12000-E	2, 4, 8	
	LPe1250-E	2, 4, 8	
	LPe12002-E	2, 4, 8	
	LPe11000-E, LPe11002-E	2, 4	
	LPe1150-E	2, 4	
	LPe111-E	2, 4	
	LP11000-E, LP11002-E	2, 4	
	LP1150-E	2, 4	

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
EMC (cont.)	QLE2560-E-SP, QLE2562-E-SP	2, 4, 8	300, 5100, VA-40FC, 5300, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	QLE2460-E-SP, QLE2462-E-SP	2, 4	
	QLA2460-E-SP, QLA2462-E-SP	2, 4	

Emulex

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
Emulex	LPe16000B, LPe16002B	4, 8, 16	300, 5100, VA-40FC, 5300, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	LPe16000, LPe16002	4, 8, 16	
	LPe12000	2, 4, 8	
	LPe1250	2, 4, 8	
	LPe12002, LPe12002-X8	2, 4, 8	
	LPe12004	2, 4, 8	
	LPe11000, LPe11002, LPe11004	2, 4	
	LPe1150	2, 4	
	LPe111	2, 4	
	LP11000, LP11002	2, 4	
	LP1150	2, 4	

Fujitsu

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
Fujitsu	PW008FC3	2	300, 5100, VA-40FC, 5300, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	PW008FC2	2	
	SEOX7F11F/S	2, 4	
	LPe1250-F8-FJ	2, 4, 8	
	LPe1250-F8-F, LPe1250L-F8-F	2, 4, 8	
	LPe12002-M8-FJ	2, 4, 8	
	LPe12002-M8-F, LPe12002L-M8-F	2, 4, 8	
	LPe1150-F4-FJ	2, 4	

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
Fujitsu (cont.)	LPe1150-F4-F, LPe1150L-F4-F	2, 4	300, 5100, VA-40FC, 5300, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	LPe11002-M4-FJ	2, 4	
	LPe11002L-M4-F, LPe110002-M4-F	2, 4	
	LPe11000-M4-FJ	2, 4	
	LPe1111-F, LPe1111L-F	2, 4	
	BX600-FC42E	2, 4	
	LP11002-M4-FJ	2, 4	
	LP11000-M4-FJ	2, 4	
	MC-FC82E	2, 4, 8	
	BX600-FC42E	2, 4	

Hitachi

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
Hitachi	LPe12002	2, 4, 8	300, 5100, VA-40FC, 5300, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	LPe1205-HI	2, 4, 8	
	LPe1250	2, 4, 8	
	LPe111-E	2, 4	
	LP11002	2, 4	
	LP1150	2, 4	

Hitachi Data Systems

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
Hitachi Data Systems	HD-1860-1F00, HD-1860-1C00, HD-1860-2F00, HD-1860-2C00	2, 4, 8, 16	300, 5100, VA-40FC, 5300, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	HD-815-0010.P, HD-825-0010.P	2, 4, 8	
	HFC0402-E	2, 4	
	HFC0802-E	2, 4, 8	
	LPe12000-M8-H, LPe12002-M8-H	2, 4, 8	
	LPe11000-M4-H, LPe11002-M4-H	2, 4	
	LPe1150-F4-H	2, 4	
	LPe111-H	2, 4	
	LP11000-M4-H, LP11002-M4-H	2, 4	

HP

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
HP	QR558A, QR559A	4, 8, 16	300, 5100, VA-40FC, 5300, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	AP769A, AP770A	2, 4, 8	
	AP767A, AP768A	2, 4	
	AJ762A*/81E, AJ762B*/82E, AH402A/NA	2, 4, 8	
	AJ763A/B	2, 4, 8	
	AH400A	2, 4, 8	
	AH402A	2, 4, 8	
	AH403A	2, 4, 8	
	AT094A	2, 4, 8	
	AD193A	2, 4	
	AD299A, AD355A, AD221A, AD222A, AD393A	2, 4	
	A8003A, A8003B*/FC2242SR	2, 4	
	A8002A, A8002B*/FC2142SR	2, 4	
	403621-B21	2, 4	
	AB379B	2,4	
	AE311A, AE312A	2, 4	
	AD300A	2, 4	
	AD400A	2, 4, 8	
	AK344A	2, 4, 8	
	AH764A, AH401A	2, 4, 8	
	456972-B21	2, 4, 8	54XX
	659818-B21	2, 4, 8	
	403621-B21	2, 4	
	BR-804	2, 4, 8	
	QMH2562	2, 4, 8	
	QMH2462	2, 4	
	QMH2572	2, 4, 8	
	LPe1205	2, 4, 8	
	LPe1205A, LPe1205A-HP	2, 4, 8	
LPe1105-HP	2, 4		

Huawei

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
Huawei	LPe12000, LPe12002	2, 4, 8	300, 5100, VA-40FC, 5300, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8

IBM

Vendor	Product Name	Data Rate (Gbps)	Brocade Models	
IBM	81Y1668, 81Y1675	2, 4, 8, 16	300, 5100, VA-40FC, 5300, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8	
	46M6049, 46M6050	2, 4, 8		
	59Y1987, 59Y1993	2, 4		
	81Y1655, 81Y1662	4, 8, 16		
	LPe16000, LPe16002	4, 8, 16		
	42D0485, 42D0494	2, 4, 8		
	LPe12004-IBM	2, 4, 8		
	42C2069, 42C2071	2, 4		
	39M5894, 39M5895, 39R6525, 39R6527	2, 4		
	42D0501, 42D0510	2, 4, 8		
	FC EN0Y	2, 4, 8		
	46M6140	2, 4, 8		54XX
	FC3052	2, 4, 8		
	41Y8527	2, 4		
	46M6065	2, 4, 8		
	44X1945	2, 4, 8		
	44X1940	2, 4, 8		
	3598	2, 4, 8		
	88Y6370	2, 4, 8, 16	64XX	
	FC3172, 69Y1938	2, 4, 8	64XX	
	5735/577D	2, 4, 8	300, 5100, VA-40FC, 5300, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8	
	5749	2, 4, 8		
	5774	2, 4		
	5759	2, 4		
	5760	2, 4		

NEC

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
NEC	LPe12000-M8 LPe12002-M8	2, 4, 8	300, 5100, VA-40FC, 5300, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	LPe11002-M4	2, 4	
	LPe1150-F4-N	2, 4	
	LP11002-M4	2, 4	

NetApp

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
NetApp	LPe12000 (X1096A-R6), LPe12002 (X1097A-R6)	2, 4, 8	300, 5100, VA-40FC, 5300, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	LPe11000 (X1091A-R6), LPe11002 (X1092A-R6), LPe1150 (X1093A-R6), LPe11000 (X1086A-R6), LPe11000 (X1087A-R6), LP1150	2, 4	
	X1088A-R6, X1089A-R6	2, 4	
	X1094A-R6, X1095A-R6	2, 4, 8	

Oracle

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
Oracle	SG-XPCIE1FC-EM8-N, SG-XPCIE2FC-EM8-N	2, 4, 8	300, 5100, VA-40FC, 5300, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	SG-XPCIE1FC-EM4-N, SG-XPCIE2FC-EM4-N	2, 4	
	SG-XPCIE2FC-EM4-N	2, 4	
	SG-XPCIE2FC-EB4-N, SG-XPCIE2FC-EB4-N	2, 4	
	SG-XPCI1FC-EM4-Z-N, SG-XPCI2FC-EM4-Z-N	2, 4	
	SG-XPCI1FC-QF4-N, SG-XPCI2FC-QF4-N, SG-XPCIE1FC-QF4-N, SG-XPCIE2FC-QF4-N	2, 4	
	SG-XPCIE1FC-QF8-N, SG-XPCIE2FC-QF8-N	2, 4, 8	

QLogic

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
QLogic	QLE2670-CK QLE2672-CK	4, 8, 16	300, 5100, VA-40FC, 5300, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	QLE2560 QLE2562 QLE2564	2, 4, 8	
	QLE2460 QLE2462 QLE2464	2, 4	
	QLA2460 QLA2462	2, 4	

Chapter 4: SAN Switches by Vendor

NOTE: This document lists compatibility with Brocade switches running FOS 7.x. As the undisputed leader of data center SAN networks, Brocade provides interoperability of Brocade Fibre Channel switches using open industry standards. Brocade supports Brocade switches connected to third-party switches utilizing N Port ID Virtualization (NPIV) technology.

NOTE: Cisco switches must be configured to Cisco N-Port Virtualizer (NPV) mode to connect to Brocade switches. Cisco NP ports connect to Brocade F_Ports.

NOTE: HP Virtual Connect switches connect Virtual Connect N ports connect to Brocade F_Ports.

NOTE: QLogic switches must be configured to Transparent Router mode to connect to Brocade switches. QLogic N ports connect to Brocade F_Ports.

Cisco

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
Cisco	MDS 9148 Multilayer Fabric Switch	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	MDS 9124 Multilayer Fabric Switch	2, 4	
	MDS 9222i Multiservice Modular Switch	2, 4, 8	
	MDS 8G Fibre Channel Blade Switch for HP c-Class BladeSystem	2, 4, 8	
	UCS 6248UP Fabric Interconnect	2, 4, 8	
	UCS 6296UP Fabric Interconnect	2, 4, 8	
	UCS 6140XP	2, 4, 8	
	UCS 6120XP	2, 4, 8	
	Nexus 5596T Switch	2, 4, 8	
	Nexus 5596UP Switch	2, 4, 8	
	Nexus 5548P Switch	2, 4, 8	
	Nexus 5548UP Switch	2, 4, 8	
	Nexus 5020 Switch	2, 4, 8	
Nexus 5010 Switch	2, 4, 8		

HP

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
HP	Virtual Connect 8Gb 20-Port Fibre Channel Module for c-Class BladeSystem	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	Virtual Connect 8Gb 24-Port Fibre Channel Module for c-Class BladeSystem	2, 4, 8	

QLogic

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
QLogic	9000 Stackable Chassis Switch	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	5800V/5802V Fibre Channel Stackable Switch	2, 4	
	3810 Fibre Channel Switch	2, 4, 8	
	SANbox Express 1400	2, 4, 8	

Chapter 5: Storage by Vendor

NOTE: For Brocade Encryption Switch and FS8-18 Encryption Blade interoperability support information, please refer to the Encryption Interoperability Matrix for the specific FOS release installed on your Brocade Encryption device.

Dell

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
Dell	Compellent Series 30	5.2.3	4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	SC8000		4, 8, 16	
	FS8600		2,4,8	300, 5100

EMC

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
EMC	DMX3	5772.100.91	2, 4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	DMX-3	5772.1.104	4	
	DMX800	5670.99	2	
	CS500	2.26.500.5.010	2	
	VNX5500	5.31.000.5.006		
	CX3-20	3.28.020.5.031	1, 2, 4	
	CX3-40	3.28.040.6.031	1, 2, 4, 8	
	CX4-120	4.30.000.5.517	4, 8	
	CX4-480		4, 8	
	DL4100	2.1		
	VMax-1, VMax-2	5875.135.91		
	VMax	5875.231.172	8	
	RecoverPoint Appliance	3.3 e.88	8	
	VPLEX	5.0.1.01.00.05	8	

Fujitsu

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
Fujitsu	Eternus 4000	V10L80-0000	2,4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	Eternus DX410	V20L50-0000, V10L16-0000	8	
	Eternus DX8100	V20L50-0000	2, 4, 8	

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
Fujitsu (cont.)	Eternus 6000	V31L10-0000	2	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	Eternus DX80	V10L16-0000	8	
	Eternus DX90S2 Eternus DX400S2 Eternus DX410S2 Eternus DX440S2 Eternus DX8000S2 Eternus DX8100S2 Eternus DX8700S2	V10L16-0000		6505, 6510, 6520, DCX 8510-4, DCX 8510-8

GridIron Systems

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
GridIron Systems	FlashCube		2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8

HP

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
HP	HSV210	11001000	2, 4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	HSV210-B	6220	2,4	
	HSV450	09540000	4	
	HSV300-S	11001000	2, 4	
	HSV300	11001000	2, 4	
	HSV340	CC1CC2!esp-10000000	2, 4	
	P2300	TS201R014		
	MSA2012fc	J202R10	2, 4	
	MSA2312fc	M112R14	4	
	P9500	70-03-34	8	
	3PAR P10000	3.1.1MU2	4	
	XP12000	50-09-98-00/02	2, 4	
	XP24000	60-08-22-00/00	4, 8	
	P6300/6500	11001000	8	
	3PAR F200	3.1.1MU2	2	
	MSA 8G P2000G3	TS230R044	8	
XP128	21-14-50-00/00	2		

Hitachi Data Systems

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
Hitachi Data Systems	Lightning 9970V	21-14-52-00/00	2	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	AMS500/2300	0786/G-M	4, 8	
	USP	50-09-98-00/03	2, 4	
	USP-V	60-08-25-00/00	4, 8	
	VSP	70-04-52-00/00 70-05-02-00/00	2, 4, 8	
	HUS	0915/C-H		
	HUS 150	0920/B-H 0930/A-H	2, 4, 8	
	HUS-VM	73-01-02-00/00	2, 4, 8	
	HM700	73-01-02-00/00	8	
	AMS500-1	0786/H-M	2, 4	
	AMS500-2			
	AMS2300	08B7/K-M	4	
	NXT	60-06-06-00/00		

Huawei Storage

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
Huawei Storage	S2200T/S2600T/S5500T Storage Array	V1R5	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 7800, DCX-4S, DCX
	S5600T/S5800T/S6800T Storage Array	V1R5	2, 4, 8	

IBM

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
IBM	ESS800	2.4.4.112		300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	DS8800/8700			
	DS8100	5.4.36.91	4	
	DS8000	5.4.33.44		
	DS4800	6.60.17.00		
	DS4700	6.30.34.00 6.15.15.00		
	DS4300	5.33.5.0		
	DS3400	07.35.41.00		
	DS5100	7.83.22.00	4	
	DS5020	7.70.38.00		
	DS6800	5.2.2.472		

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
IBM (cont.)	SVC 2G	4.3.1.10		
	SVC 4G	6.4.0.3	4	
	SVC 8G	6.4.0.3	8	
	2076-124	6.4.0.3	8	
	V7000	6.4.0.3	8	
	XIV	11.1.1.1	8	

NetApp

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
NetApp	V3020/V3050	ONTAP 8.0.x	2, 4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	V3070	ONTAP 8.1.x	2, 4, 8	
	V31x0	ONTAP 8.1.x	2, 4, 8	
	V32x0	ONTAP 8.1.x	2, 4, 8	
	V60x0	ONTAP 8.1.x	2, 4, 8	
	V61x0	ONTAP 8.1.x		
	F3170-1, F3170-5	ONTAP 8.0.2 / 7.3.6		
	F3170c	ONTAP 8.0.3/ 8.1/8.1.1	8	
	F3240	ONTAP 8.1.1	8	
	F3270-1	ONTAP 8.0.2/7.3.6		
	F3270c	ONTAP 8.0.3/ 8.1/8.1.1	8	
	FAS22x0	ONTAP 8.0.x ONTAP 8.1.x	2,4, 8	
	FAS31x0	ONTAP 8.0.x ONTAP 8.1.x	2, 4,8	
	FAS32x0	ONTAP 8.0.x ONTAP 8.1.x	2, 4, 8	
	FAS60x0	ONTAP 8.0.x ONTAP 8.1.x	2, 4, 8	
FAS62x0	ONTAP 8.0.x ONTAP 8.1.x	2, 4, 8		

Nimbus Data Systems

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
Nimbus Data Systems	S255M	8.2.x	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	S505M	8.2.x	2, 4, 8	
	S1005M	8.2.x	2, 4, 8	
	E6400M	8.2.x	2, 4, 8	
	Gemini Flash Memory Series	8.3.x	2, 4, 8, 16	

Oracle

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
Oracle	AXIOM R5 3	2070-00001-050300-004300	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	6140	6.10.09.16	4	
	6850	3.10.09.16	2, 4	

Pure Storage

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
Pure Storage	FlashArray 300-Series	25267	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8

Texas Memory Systems

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
Texas Memory Systems	RamSan 630		2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8

Violin Memory

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
Violin Memory	Violin 3202	G5.2.0	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	Violin 6616	G5.2.0	2, 4, 8	
	Violin 6232	G5.2.0	2, 4, 8	

Chapter 6: Tape by Vendor

NOTE: For Brocade Encryption Switch and FS8-18 Encryption Blade interoperability support information, please refer to the Encryption Interoperability Matrix for the specific FOS release installed on your Brocade Encryption device.

HP

Vendor	Product Name	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
HP	LTO 6	J29D	8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	LTO 5	I5EW	8	
	LTO 4	85AW	4	
	LTO 3	11.908	2	
	MSL4048	3.10.09.16		

IBM

Vendor	Product Name	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
IBM	3592	H82672	4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	3582, 3583, 3594		2	
	3584 Tape Library			
	LTO Gen III	69U2	4	
	LTO 3	81WO		
	LTO 5	A5R0		
	LTO Gen 5	A3K7	8	
	LTO 4	7BGt2		

Oracle (Sun)

Vendor	Product Name	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Oracle (Sun)	T9840-C	1.44.509	4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	9840-D	1.45.703-5.20	4	
	SL500	V1373	2	
	T10000-A	1.48.105-5.30	2, 4	
	T10000-B	1.48.205-5.30	2, 4	
	T10000-C	1.53.315-5.30	2, 4	
	SL3000	3.61		
	L700	3.18.02	2	
	SL150	1.00.00		
	IBM LTO5	A5R0	8	
	IBM LTO4	7BG2	4	
	HP LTO5	I2DS	8	
	HP LTO4	H5AS	4	

Chapter 7: Network Solutions by Vendor (including MAN/WAN)

IMPORTANT: Compatibility with the Brocade Advanced Fabric OS feature Trunking varies by product. Contact your vendor for more detail.

ADVA Optical Networking

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
ADVA Optical Networking	FSP3000 with 4WCE-PCN-16G	CWDM/DWDM	Transparent	11.2	8, 16	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	FSP 3000 with 10TCE-PCN-10G+100G	DWDM	Transparent	11.2	8	
	FSP3000 with 5TCE-PCTN-10G	CWDM/DWDM	Transparent	8.2, 9.3, 10.3, 11.2	2, 4, 8	
	FSP3000 with 5TCE-PCTN-10G	CWDM/DWDM	Transparent	8.2, 9.3, 10.3, 11.2	10	6510, 6520, DCX 8510-4, DCX 8510-8
	FSP3000 with WCA-PC(N)-2G5	CWDM/DWDM	Transparent	8.2, 9.3, 10.3, 11.2	2	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	FSP3000 with 4TCA-PCN-4G	CWDM/DWDM	Transparent	8.2, 9.3, 10.3, 11.2	2,4	
	FSP3000 with 5TCE (AES) 2WCA-PCN, WCA-PC-10G	CWDM/DWDM	Transparent	9.3, 10.3, 11.2	10	DCX-4S, DCX, FC10-6, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	FSP3000 with 5TCE (AES)	CWDM/DWDM	Transparent	9.3, 10.3, 11.2	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	FSP3000 with 5TCE (AES)	CWDM/DWDM	Transparent	9.3, 10.3, 11.2	10	DCX-4S, DCX, FC10-6, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	FSP3000 with WCA-PCN-10G	CWDM/DWDM	Transparent	8.2.2, 9.3, 10.3	4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	FSP3000 with 2WCA-PCN	CWDM/DWDM	Transparent	9.3, 10.3, 11.2	4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	FSP2000 with WCM-PLR—2.5Gbit/s-MC2G	CWDM/DWDM	Transparent		2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8

AFOP

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
AFOP	SpectraMux	DWDM	Transparent		2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8

Alcatel-Lucent

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Alcatel-Lucent	PSS1 Card MD4H	WDM	Transparent	R1.7	2, 4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	1830 PSS16/32 Card 11STMM10	DWDM	Transparent	R3.5.96	2, 4	
	1830 PSS16/32 Card 11QPA4	DWDM	Transparent	R3.5.96	8	
	1830 PSS16/32 Card 11QPA4	DWDM	Transparent	R3.5.96	10	DCX-4S, DCX, FC10-6
	1830 PSS16/32 with 11QPA4	DWDM	Transparent	R5.0	8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	1830 PSS16/32 with 11STMM10	DWDM	Transparent	R5.0	2,4	
	1830 PSS16/32 with 11DPM12	DWDM	Transparent	R5.0, 5.1.2, 5.1.6	2, 4	
	1830 PSS4 with 11QPEN4	DWDM	Transparent	R5.0	8	
	PSS-4 1830 4DPA4	DWDM	Transparent	R5.1.6	2, 4	
	PSS-32 1830 4DPA4	DWDM	Transparent	R5.1.6	2, 4	
	1830 PSS4 with 11QPA4	DWDM	Transparent	R5.0	8	
	1830 PSS16/32 with 11QPEN4	DWDM	Transparent	R5.0	8	
	1830 PSS4 with 11DPM12	DWDM	Transparent	R5.0, 5.1.6	2, 4	
	1830 PSS4 with 11QPEN4	DWDM	Transparent	R5.0	10	
	1830 PSS4 with 11QPA4	DWDM	Transparent	R5.0	10	
	1830 PSS16/32 with 11QPEN4	DWDM	Transparent	R5.0	10	
	1830 PSS16/32 with 11QPA4	DWDM	Transparent	R5.0	10	

BTI Systems

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
BTI Systems	7030 /7060 with 10G card MPT BT7A49AA	DWDM	Transparent	V7.2	10	DCX-4S, DCX, FC10-6

Ciena

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Ciena	CN 4200 with F10-T Family	DWDM/ CWDM	Transparent	8.0, 8.1, 8.1.1	10*	6510, 6520, DCX 8510-4, DCX 8510-8
	CN 4200 with FC4-T card	DWDM	FC over SONET	8.0, 8.1, 8.1.1	4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	CN 4200 with EM6 card	DWDM	FC over SONET	7.1.0, 8.1.1	2, 4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	CN 4200 with ESOM card	DWDM	FC over SONET	7.1.0, 8.1.1	2, 4	
	5000 Series OTR 2.5Gb	DWDM	Transparent	9.0, 10.0	2	
	5000 Series MOTR 2.5Gb	DWDM	FC over Sonet	9.0, 10.1	2	
	5000 Series OTR 4Gb	DWDM	Transparent	10.0, 10.1	2, 4	
	5000 Series 10Gb MOTR	DWDM	FC over SONET	9.2, 10.0, 10.1	2	
	5000 Series Ultra 10Gb OTR	DWDM	Transparent	9.0, 10.1	10*	
	5000 Series 10Gb MOTR VCAT	DWDM	FC over SONET	10.1	2	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	5000 Series Quad OTR / Quad OTRe	DWDM	Transparent	11.1, 11.21	8	
	5000 Series Quad OTR / Quad OTRe	DWDM	Transparent	11.1, 11.21	10*	DCX-4S, DCX, FC10-6
	Optical Metro 5040/5080	DWDM	Transparent	2.0	2, 4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	6500 Series	xWDM	Transparent	R9.1, R9.2	2, 4, 8	
	6500 Series	xWDM	Transparent	R9.1, R9.2	10*	DCX-4S, DCX, DC10-6, 6510, 6520, DCX 8510-4, DCX 8510-8
* LD with VC Link Init OFF (w/ IDLE Fill words) is supported, along with hard-set speed and Locked_Gport. The IDLE fill word is required as ARB at 10G is not supported by Ciena 10G cards on 5000/6500.						

Cisco

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Cisco	ONS 15540	DWDM	Transparent		2	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	ONS 15454 with 40G MXP-C	DWDM	Transparent	9.3	8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	ONS 15454 with 40G MXP-C	DWDM	Transparent	9.3	10	DCX-4S, DCX, FC10-6
	ONS 15454 with 10DME-C	DWDM	Transparent	4.5.0, 8.5.0, 9.0	2, 4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	ONS 15454 with 10-MR-TXP	DWDM	Transparent	9.2.1	10	6510, 6520, DCX 8510-4, DCX 8510-8 (minimum requirement FOS 7.0.2a or 7.1.0, FEC must be disabled)
	ONS 15454 with 10E-E-L1-C	DWDM	Transparent	9.0	10	DCX-4S, DCX, FC10-6
	ONS 15454 with 10E-E-L1-L	DWDM	Transparent	9.0	10	DCX-4S, DCX, FC10-6
	ONS 15454 with OTU2XP	DWDM	Transparent	9.0	10	DCX-4S, DCX, FC10-6

CYAN Transponer

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
CYAN	Z22, Z33 and Z77 with SFT10G16	xWDM	Transparent	4.2.01	2, 4, 8, 10	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8

Ekinops

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Ekinops	360/360S with PM1001 RR	xWDM	Transparent	5EK7006ACAA01	10	DCX-4S, DCX, FC10-6
	360 HC with PM801 RR	xWDM	Transparent	5.2.060	8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	360 HC with PMC1008 MP	xWDM	Transparent	5.2.060	2, 4	DCX 8510-8

Ericsson

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Ericsson	MHL 3000 w/2.5 Xponder	WDM	Transparent	124.3.2.12	2	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	MHL 3000 w/2.5 Xponder	DWDM	Transparent	5.0	2, 4	
	MHL 3000 w/LU 28AA	DWDM	Transparent	5.1.1 build 17820GA	4	

HP

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
HP	HP Storage Multifunction Router (MPX200)	Gateway	FCIP	3.3.0.3 3.3.2.1	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	HP StorageWorks IP Distance Gateway (mpx110)	Gateway	FCIP	2.3.2.1 2.4.3.0 2.4.4.1 2.4.4.3 2.4.4.5	2	

Huawei

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Huawei	OSN 6800 with TN11LOA	WDM	Transparent	1.0, 5.51.07.32, 5.51.07.36	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	OSN 6800 with TN12LOM	WDM	Transparent	5.51.04.17 V1R4	2, 4, 8	
	OSN 6800 with TN52TOM	WDM	Transparent	5.51.04.17	2	
	OSN 6800 with TN55TQX	WDM	Transparent	5.51.07.32	8	
	OSN 8800 with TN12LOM	WDM	Transparent	5.51.04.17 V1R4	2, 4, 8	
	OSN 8800 with TN52TOM	WDM	Transparent	5.51.04.24	2	
	OSN 8800 with TN11LOA	WDM	Transparent	1.0, 5.51.07.32, 5.51.07.36	2, 4, 8	
	OSN 8800 with TN54THA	WDM	Transparent	5.51.07.32	2, 4	
	OSN 8800 with TN54TOA	WDM	Transparent	5.51.07.32	2, 4	
	OSN 8800 with TN55TQX	WDM	Transparent	5.51.07.32	8	
	OSN 1800 with LQM/LQM2/LWX2	WDM	Transparent	5.67.01.11	2	

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Huawei (cont.)	OSN 1800 with ELOM	WDM	Transparent	5.67.03.12	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	OSN 1800 with TNF2ELOM	WDM	Transparent	5.67.03.23	2, 4, 8	
	OSN 1800 with TNF1LDX	WDM	Transparent	5.67.03.23	8	

Infinera

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Infinera	ATN with SIM-T-2-2.5GM	DWDM	Transparent	R3.0.1, R4.0.0	2	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	ATN with SIM-A-8-2.5GMT	DWDM	Transparent	R3.0.1, R4.0.0	2, 4	
	ATN with SIM-T-1-10GM and SIM-T-1-10GP	DWDM	Transparent	R3.0.1, R4.0.0	8	
	ATN with SIM-T-1-10GM and SIM-T-1-10GP	DWDM	Transparent	R3.0.1, R4.0.0	10	DCX-4S, DCX, FC10-6
	DTN with TAM-8-2.5GM	DWDM	Transparent	6.0.0.0142	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	DTN with TAM-2-10GM	DWDM	Transparent	6.0.0.0142	10	DCX-4S, DCX, FC10-6

JDSU

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
JDSU	WaveReady with WRT-780 module	DWDM	Transparent	R4.4, 4.4.99.001, 4.6.6.109, 4.7.1.003	2, 4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	WaveReady with WRT-852 module	DWDM	Transparent	4.8.3	10	DCX-4S, DCX, FC10-6
	WaveReady with WRT-780 module	DWDM	Transparent	4.8.3	2, 4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	WaveReady with WRT-781 module	DWDM	Transparent	4.8.3	2, 4	

MICROSENS

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
MICROSENS	10G Platform with msXTP10GRR	xWDM	Transparent	5EK7006ACAA01	10	DCX-4S, DCX, FC10-6
	msXTP6HC with msXTP8GRR	xWDM	Transparent	R5.2.051	8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	msXTPF6HC with msXTP10GMPLH	xWDM	Transparent	R5.2.051	2, 4	
	msXTPF6HC with MsXTP10GDTMTT	xWDM	Transparent	R5.2.051	2, 4	

MRV Communications

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
MRV Comm.	Lambda Driver LD400 with TM2-SFP4G with TM2-SFPFXFPFC8 DF-OADM EM800-OA	WDM	Transparent	2.1.0-a1_1003 2.0.15.1	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	Lambda Driver LD800 with TM2-SFP4G with TM2-SFPFXFPFC8 DF-OADM EM800-OA	WDM	Transparent	2.1.0-a1_1003 2.0.15.1	2, 4, 8	
	Lambda Driver LD1600 with TM2-SFP4G with TM2-SFPFXFPFC8 DF-OADM EM800-OA	WDM	Transparent	2.1.0-a1_1003 2.0.15.1	2, 4, 8	
	NC316BU-16/AC with EM316FC400	DWDM	Transparent		2, 4	
	NC316BU-16/AC with EM316-2XFP-ET	DWDM	Transparent		10	DCX-4S, DCX, FC10-6

Nokia Siemens Networks

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Nokia Siemens Networks	HIT 7300 with I04TQ10G + 002CSP	DWDM	Transparent	4.30	8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	HIT 7300 with I04TQ10G + 002CSP	DWDM	Transparent	4.30	10	DCX-4S, DCX, FC10-6
	HIT 7300 with I05AD10G	DWDM	Transparent	4.30	2, 4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8

PacketLight Networks

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
PacketLight Networks	PL-400	xWDM	Transparent	2.1.0 - a1_1003	2, 4	3300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	PL-1000	xWDM	Transparent	4.1.5.10	10	DCX-4S, DCX, FC10-6
	PL-1000E	xWDM	Transparent	2.6.29	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	PL-1000E	xWDM	Transparent	2.6.29	10	DCX-4S, DCX, FC10-6
	PL1000TN	xWDM	Transparent	02-04/1.2.23-A4-A002	8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8

Padtec

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Padtec	LightPad i1600G with TC100 DCT-44GT2	DWDM	Transparent	3.6.2.5	2, 4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	LightPad i1600G with TC100 DCT-42PT8	DWDM	Transparent	3.6.1.0	2	
	LightPad i1600G with T25DC46-4BRE1L	DWDM	Transparent	1.6	2	
	LightPad i1600G with T25DC35-4BESL	DWDM	Transparent	1.0 A2	2	
	LightPad i1600G with T25DC21-4BESL	DWDM	Transparent	1	2	
	LightPad i1600G with T40DCT-4B2S	DWDM	Transparent	1.3.04	2, 4, 8	
	LightPad i1600G with T100DCT-4BDASL	DWDM	Transparent	1.0.1 RC1	8	
	LightPad i1600G with T100DCT-4HTTU2L	DWDM	Transparent	3.5, 1.10	8	
	LightPad i1600G with T100DCT-4HTTU1L	DWDM	Transparent	4.1.3	8	
	LightPad i1600G with T100DCT-4HTTU2L	DWDM	Transparent	3.7.0	8	
	LightPad i1600G with TC100DCT-44GT2	DWDM	Transparent	2.5, 3.6	2, 4	
	LightPad i1600G with TC100DCT-44GT2	DWDM	Transparent	1.10, 3.5	2	

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Padtec (cont.)	LightPad i1600G with TCX12-4D-A0	DWDM	Transparent	1.1.1	4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8

Pan Dacom Direkt

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Pan Dacom Direkt	Speed Carrier with SDLFC-2SFP-2SFP-A	xWDM	Transparent	01	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	Speed Carrier with SDLFC-2SFP-2XFP-A	xWDM	Transparent	01	2, 4, 8	
	Speed Carrier with SSL-XFPR-XFPR-A	xWDM	Transparent	09	10	DCX-4S, DCX, FC10-6
	SDLFC-2XFP-2SFP-A, SDLFC-2SFP-2SFP-A	xWDM	Transparent	Rel. 4.1.3	2, 4, 8	6505, 6510, 6520, DCX 8510-4, DCX 8510-8

Riverbed

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Riverbed	Steelhead appliances	WAN optimization	FCIP	6.1.4	1 GbE	7800/FX8-24 (requires FOS 6.4.x and only 6.4.x); 7500/FR4-18i (FOS 6.3.x and above)

Silver Peak

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Silver Peak	NX appliances	WAN optimization	FCIP	5.2	1 GbE (7800, 7500, FR4-18i) 1/10 GbE (FX8-24)	7800/FX8-24 (requires FOS 7.1.0b and above); 7500/FR4-18i (FOS 6.3.x and above)

SmartOptics

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
SmartOptics	T-3008-LC	Mux/Dmux	Transparent		N/A	300, 5100, VA-40FC, 5300, 54XX, 7800, DCX-4S, DCX
	T-3009-LC	Mux/Dmux	Transparent	R2	N/A	
	T-3832	Mux/Dmux	Transparent		N/A	
	T-3016	Mux/Dmux	Transparent		N/A	
	T-4408	Mux/Dmux	Transparent		2, 4	
	T-4808	Mux/Dmux	Transparent		4, 8	
	T-490x	xWDM	Transparent		10	DCX-4S, DCX, FC10-6

Sorrento Networks

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Sorrento Networks	GigaMux 6400 Card GMDM10	DWDM	Transparent	1.0, 1.5	2	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	GigaMux 6400 Card FC8G	DWDM	Transparent	7.4.10	2, 4, 8	
	GigaMux 6400 Card GMFC4	DWDM	Transparent	1.0, 1.5	2, 4	
	GigaMux 6400 Card GMMR2.5	DWDM	Transparent	1.5	2	
	GigaMux 3200 Card OCM2-4G	DWDM	Transparent	7.4	2, 4	
	GigaMux 3200 Card FC8G	DWDM	Transparent	7.4.10	2, 4, 8	
	GigaMux 3200 Card OCM10GF	DWDM	Transparent	7.4	10	DCX-4S, DCX, FC10-6
	GigaMux 1600 Card OCM2-4G	DWDM	Transparent	7.4	2, 4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	GigaMux 1600 Card OCM10GF	DWDM	Transparent	7.4	10	DCX-4S, DCX, FC10-6

Tellabs

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Tellabs	OTS 7100/7100Nano with SMTM-U	DWDM	Transparent	FP4.3.1f4	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	OTS 7100/7100Nano with TGT-M-E	DWDM	Transparent	FP4.3.1f4	10	DCX-4S, DCX, FC10-6

Teramile

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Teramile	WavePilot II with OFC-4	DWDM	Transparent		2, 4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	Fiber Pilot II with OFC-4	DWDM	Transparent		2, 4	

Toyo Networks & System Integration

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Toyo Networks & System Integration	LightEffector LE-4100N	CWDM	Transparent	03.02	2	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8

Transmode

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models	
Transmode	TM-102 Card TPQMS	DWDM	Transparent	r1a	2, 4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8	
	TM-102 Card TPD10G-L-BU	DWDM	Transparent	r1a	2, 4, 8		
	TM-102 Card TPD10G-L-BU	DWDM	Transparent	r1a	10		DCX-4S, DCX, FC10-6
	TM-102 Card MS-MXP-10G	DWDM	Transparent	r1a	2, 4		
	TM-301 Card TPQMS	DWDM	Transparent	r1a	2, 4		
	TM-3000 Card TPQMS	DWDM	Transparent	r1a	2, 4		
	TS-100 (9002) Card 5810/01	DWDM	Transparent	r1a	2		
	TS-1100 (9013) Card 7400/01	DWDM	Transparent	r1a	2, 4		
	TS-100 (9002) Card 7400/01	DWDM	Transparent	r1a	2, 4		
	TM-3000 Card TPR10G-L-BU	DWDM	Transparent	r1a	2, 4, 8		
	TM-3000 Card TPR10G-L-BU	DWDM	Transparent	r1a	10		DCX-4S, DCX, FC10-6
	TM-3000 Card MS-MXP-10G	DWDM	Transparent	r1a	2, 4		300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	TS-1100 Card 5400	DWDM	Transparent	1.0.4	2		
	TS-1100 Card 7700	DWDM	Transparent	1.1.0	2		
	TS-1100 Card 7400/01	DWDM	Transparent	swp100073, 1.0.0	2, 4		
	TM-206 Card 7800	DWDM	Transparent	swp200019, 1.1.3	2		

Vello Systems

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Vellow Systems	CX4000 with CX50T-X	WDM	Transparent	6.04.03	10	6510, 6520, DCX 8510-4, DCX 8510-8
	CX4000 with CX50T-X	WDM	Transparent	6.04.03	4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8

ZTE

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
ZTE	ZXMP M720/M820/M920 Cards GEM8	DWDM	Transparent	3.2, 3.22, 3.25	2	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	ZXMP M720/M820/M920 Cards FCA	DWDM	Transparent	3.2, 3.22, 3.25	2, 4	
	ZXWP M720/M820/M920 Cards SOTU10G	DWDM	Transparent	3.2, 3.22, 3.25	10	

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