



Brocade Fabric OS 7.x Compatibility Matrix

May 2016

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/en/products-services/storage-networking/fibre-channel.html>

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 Brocade is 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.

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

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: DL-GRP-MKTG-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/en/products-services/storage-networking/fibre-channel.html>

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 7840 Extension Switch
Brocade 8510-8 and 8510-4 Backbones Port blades: FC16-32/48/64, FC8-32E/48E/64 Intelligent blades: FS8-18, FX8-24
Brocade DCX and DCX-4S Backbones 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.

ATTO

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
ATTO	FC-44ES, FC-82EN	2, 4, 8	300, 5100, VA-40FC, 5300, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	FC-42ES, FC82-EN	2, 4, 8	
	Celerity 8G FC81EN, 8G FC82EN, 8G FC84EN, 16G FC161E, 16G FC162E, 16G FC164E Thunderlink FC1082	2, 4, 8, 16	

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, 7840, 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, 7840, 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	
	331-0238 (BR-825)	4, 8	
	QLE2660 (0187V/TC40H), QLE2662 (9J1RG/7JKH4)	4, 8, 16	
	QLE2560 (F641C), QLE2562 (H144C)	2, 4, 8	
	QLE2462	2, 4	
	LPe1205-M	2, 4, 8	
	LPm16002B-D	4, 8, 16	
	LPe1105	2, 4	
	LPe1105-M	2	
	QME2662 (4GDP5)	4, 8, 16	
	QME2572 (R112D)	2, 4, 8	

*Requires FOS 7.2.0+ code level

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, 7840, 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	
	LPe16000B-E, LPe16002B-E, LPe16000-E, LPe16002-E	4, 8, 16	
	LPe12000-E	2, 4, 8	

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
EMC (cont.)	LPe1250-E	2, 4, 8	300, 5100, VA-40FC, 5300, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	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	
	QLE2670-E-SP, QLE2672-E-SP	4, 8, 16	300, 5100, VA-40FC, 5300, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	QLE2560-E-SP, QLE2562-E-SP	2, 4, 8	
	QLE2460-E-SP, QLE2462-E-SP	2, 4	
	QLA2460-E-SP, QLA2462-E-SP	2, 4	

Broadcom (Emulex)

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
Broadcom (Emulex)	LPe31000, LPe32000, LPe31002, LPe32002	4, 8, 16	300, 5100, VA-40FC, 5300, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	LPe16000B, LPe16002B, LPe16004	4, 8, 16	
	LPe16000, LPe16002	4, 8, 16	
	LPe15004	2, 4, 8	
	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, 7840, 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		
	LPe1150-F4-F, LPe1150L-F4-F	2, 4	300, 5100, VA-40FC, 5300, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8	
	LPe11002-M4-FJ	2, 4		
	LPe11002L-M4-F, LPe11002-M4-F	2, 4		
	LPe11000-M4-FJ	2, 4		
	LPe111-F, LPe111L-F	2, 4		
	BX600-FC42E	2, 4		
	LP11002-M4-FJ	2, 4		
	LP11000-M4-FJ	2, 4		
	MC-FC82E	2, 4, 8		5450, 6545*
	MC-FC162E	4, 8, 16		

*Requires FOS 7.1.0_fuj code level

Hitachi

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
Hitachi	LPe12002	2, 4, 8	300, 5100, VA-40FC, 5300, 7800, 7840, 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	
	HFCE0804-M	2, 4, 8	5460
	LPe1205A-HI	2, 4, 8	

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, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	LPe16002	4, 8, 16	
	QLE2672	4, 8, 16	
	QLA8142	10	
	HD-815-0010.P, HD-825-0010.P	2, 4, 8	
	HFC0402-E	2, 4	
	HFCE0802	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, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	LPe16000B (C8R38A), LPe16002B (C8R39A)	4, 8, 16	
	QMH2672 (710608-B21)	4, 8, 16	
	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	

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
HP (cont.)	AD299A, AD355A, AD221A, AD222A, AD393A	2, 4	300, 5100, VA-40FC, 5300, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	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	
	659818-B21	2, 4, 8	
	403621-B21	2, 4	
	BR-804	2, 4, 8	
	QMH2562, QMH2572	2, 4, 8	
	QMH2462	2, 4	
	QMH2572	2, 4, 8	
	QMH2672	4, 8, 16	
	LPe1205	2, 4, 8	
	LPe1205A, LPe1205A-HP	2, 4, 8	
	LPe1105-HP	2, 4	
	LPe1605 (718203- B21)	4, 8, 16	
	CN1000E	10GE	DCX-4S, DCX, DCX 8510-8
	CN1000Q	10GE	
	554FLR	10GE	
	526FLR	10GE	

*Requires FOS7.2.1+ code level

Huawei

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
Huawei	LPe12000, LPe 12002	2, 4, 8	300, 5100, VA-40FC, 5300, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	LPe1205	2, 4, 8	5430*, 5431**, 5432***
	MZ910	2, 4, 8	
	MZ220, MXEH, MXEA	4, 8, 16	6543****

*Requires FOS7.1.0+ code level

**Requires FOS7.2.0+ code level

***Requires FOS7.2.1+ code level

**** Requires FOS7.4.1+ code level

IBM

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
IBM	81Y1668, 81Y1675	2, 4, 8, 16	300, 5100, VA-40FC, 5300, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	81Y1655, 81Y1662	4,8,16	
	00Y3337 00Y3341	4,8,16	
	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	
	5735/577D	2, 4, 8	
	5749	2, 4, 8	
	5774	2, 4	
5759	2, 4		
5760	2, 4		

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
IBM (cont.)	46M6140	2, 4, 8	5470
	FC3052	2, 4, 8	
	41Y8527	2, 4	
	46M6065	2, 4, 8	
	44X1945	2, 4, 8	
	44X1940	2, 4, 8	
	44X1945	2, 4, 8	
	95Y2375	2, 4, 8	6547*
	95Y2386	4, 8, 16	
	69Y1938	2, 4, 8	
	69Y1942	4, 8, 16	
	88Y6370	4, 8, 16	

*Requires FOS7.2.0+ code level

Lenovo

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
Lenovo	LPe16004B, LPe16002B	4, 8, 16	300, 6505, 6510
	42D0485, 42D0494	2, 4, 8	
	46M6049, 46M6050	2, 4, 8	
	42D0501, 42D0510	2, 4, 8	
	69Y1942	4, 8, 16	
	00Y3341	4, 8, 16	
	00Y3337	4, 8, 16	
	81Y1655, 81Y1662	4, 8, 16	
	81Y1668, 81Y1675	2, 4, 8, 16	
	95Y2375	2, 4, 8	
	69Y1938	2,4,8	
	95Y2386, 95Y2391	4, 8, 16	
	88Y6370	4, 8, 16	
	95Y23279	4, 8, 16	
	69Y1942	4, 8, 16	

NEC

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
NEC	LPe12000-M8 LPe12002-M8	2, 4, 8	300, 5100, VA-40FC, 5300, 7800, 7840, 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	
	LPe1205-N	2, 4, 8	5480

NetApp

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
NetApp	LPe16000 Lpe16002	4, 8, 16	300, 5100, VA-40FC, 5300, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	QLE2670 QLE2672	4, 8, 16	
	LPe12000 (X1096A-R6), LPe12002 (X1097A-R6)	2, 4, 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, 7840, 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	

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
Oracle (cont.)	SG-XPCI1FC-QF4-N, SG-XPCI2FC-QF4-N, SG-XPCIE1FC-QF4-N, SG-XPCIE2FC-QF4-N	2, 4	300, 5100, VA-40FC, 5300, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	SG-XPCIE1FC-QF8-N, SG-XPCIE2FC-QF8-N	2, 4, 8	

QLogic

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
QLogic	QLE2764-SR-CK, QLE2742-SR-CK QLE2740-SR-CK	4, 8, 16	300, 5100, VA-40FC, 5300, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	QLE2690-SR-CK, QLE2692-SR-CK, QLE2694-SR-CK, QLE2694U-SR-CK, QLE2694L-SR-CK	4, 8, 16	
	QLE2670-CK QLE2672-CK	4, 8, 16	
	QLE2560 QLE2562 QLE2564	2, 4, 8	
	QLE2460 QLE2462 QLE2464	2, 4	
	QLA2340	2	
	QLA2460 QLA2462	2, 4	

QLogic (former Brocade product line)

Vendor	Product Name	Data Rate (Gbps)	Brocade Models
QLogic (cont.)	1860	4, 8, 10, 16	300, 5100, VA-40FC, 5300, 7800, 7840, 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

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 (NPV) 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 9396S Multilayer Fabric Switch	2, 4, 8, 16	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	MDS 9148S Multilayer Fabric Switch	2, 4, 8, 16	
	MDS 9250i Multilayer Fabric Switch	2, 4, 8, 16	
	MDS 9148 Multilayer Fabric Switch	2, 4, 8	
	MDS 9124 Multilayer Fabric Switch	2, 4	
	MDS 9124e Fabric Switch for HP c-Class BladeSystem	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, 7840, 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, 7840, 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, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	Compellent SC8000	V6.3.0	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, 7840, 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	
	CX3-20	3.26.020.5.31	1, 2, 4	
	CX3-40	3.26.020.5.31	1, 2, 4, 8	
	CX4-120	4.30.000.5.517	4, 8	
	CX4-240	4.X		
	CX4-480	4.30.000.5.517	4, 8	
	DL4100	2.1	4	
	VMax-1, VMax-2	5875.135.91		
	VMax	5876.268.174	8, 16	
	VNX-5500	5.32.000.5.216	8	
	VNX-5300	5.32.000.5.216	8	
	RecoverPoint Appliance	3.3 e.88	8	
	VPLEX	4.X 5.0.1.01.00.05	8	
Data Domain DD610, DD670	4.X			

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, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	Eternus DX410S2	V20L71-0000 V10L60-0000	8	
	Eternus DX8100S2	V20L71-0000	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	Eternus 6000	V31L10-0000	2	
	Eternus DX80	V10L60-0000	8	
	Eternus DX90S2 Eternus DX400S2	V10L16-0000		6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	Eternus DX440S2 Eternus DX8000S2			
	Eternus DX8700S2			
Eternus DX100 S3 Eternus DX200 S3 Eternus DX500 S3 Eternus DX600 S3	V10L20-4000	4,8,16		

HP

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
HP	HSV210-B	11300000	2, 4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	P6300/6500	11300000	8	
	HSV450 (8400)	11300000	4	
	HSV300-S (4400-S)	11300000	2, 4	
	HSV300 (4400)	11300000	2, 4	
	HSV340	11300000	2, 4	
	MSA2012fc	J202P01	2, 4	
	MSA2312fc	M113R11	4	
	P9500	70-06-20-00/00	8	
	XP7	80-02-02-00/00	8, 16	
	P10000	3.2.1 (MU2), 3.1.3 MU1	4	
	XP12000	50-09-98-00/02	2, 4	
	XP24000	60-08-51-00/0060-08-43-00/00	4, 8	
	F200/F400	3.1.3 MU1	4	
	P2000 G3	TS251P006	8	

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
HP (cont.)	P4330 FC	11.5.00, 10.5.00.0160.0	8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	MSA2040	GL200R007	16	

Hitachi Data Systems

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
Hitachi Data Systems	AMS500	0786/G-M	4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	AMS2300	08C3/U/V	8	
	VSP-G	80-02-02-00/00	8	
	USP-V	60-08-45-00/00	4, 8	
	VSP	70-06-23-00/02	2, 4, 8	
	DF800	08C3/U/V	8	
	HUS	0915/C-H		
	HUS 150	0977/A-P	2, 4, 8	
	HUS-VM	73-03-34-00/00	2, 4, 8	
	HM700	73-01-02-00/00	8	

Huawei Storage

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
Huawei Storage	OceanStor S2200T/S2600T/S5500T/S5600T/S5800T/S6800T Storage Array	V1R5	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 7800, 7840,DCX-4S, DCX,6505, 6510,DCX 8510-4, DCX 8510-8
	OceanStor Dorado5100/Dorado2100 G2 Storage Array	V1R1	2, 4, 8	
	OceanStor VIS6000 Storage Array	V1R2	2, 4, 8	
	OceanStor VIS6000T Storage Array	V2R3	2, 4, 8	
	OceanStor HVS85T/HVS88T Storage Array	V1R1	2, 4, 8	
	OceanStor 18500/18800/18800F Storage Array	V1R1	2, 4, 8	
	OceanStor S2600T/S5500T/S5600T/S5800T/S6800T Storage Array	V2R1	2, 4, 8	

Huawei Storage (cont.)	OceanStor 5300 V3/5500 V3/5600 V3/5800 V3/6800 V3 Storage Array	V3R1, V3R2	2, 4, 8, 16	300, 5100, VA-40FC, 5300, 7800, DCX-4S, DCX, 6505, 6510, 6520, 6543, DCX 8510-4, DCX 8510-8
	OceanStor V3 Series Storage (OceanStor 5300 V3/5500 V3/5600 V3/5800 V3/6800 V3/18500 V3/18800 V3)	V300R003	2, 4, 8, 16	300, 5100, VA-40FC, 5300, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8

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, 7840, 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		
	FlashSystem 840	1.1.2.7	4, 8, 16	
	SVC 2G	4.3.1.10		
	SVC 4G	6.4.1.4	4	
	SVC 8G	7.4.0.2	8	
	2076-124	6.4.1.4	8	
	V7000	7.2.0.4	8	
XIV	11.5.0.a	8		
Flash 840	1.1.2.7	16		

INFINIDAT

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
INFINIDAT	InfiniBox	2.2.0.28	4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8

Lenovo

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
Lenovo	S2200	GL221R006	8	300, 6505, 6510, 6547
	S3200	GL221R006	8, 16	

NetApp

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
NetApp	V3020/V3050 V3070	ONTAP 8.0.x ONTAP 8.1.x	2, 4 2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	V31x0	ONTAP 8.1.x ONTAP 8.2.x	2, 4, 8	
	V32x0	ONTAP 8.2.x ONTAP 8.3.x	4, 8, 16	
	V60x0	ONTAP 8.2.x ONTAP 8.3.x	2, 4, 8	
	V61x0	ONTAP 8.2.x ONTAP 8.3.x	4, 8, 16	
	FAS22x0	ONTAP 8.0.x ONTAP 8.1.x ONTAP 8.2.x	2,4, 8	
	FAS3040	ONTAP 7.3.7		
	FAS31x0	ONTAP 8.0.x ONTAP 8.1.x ONTAP 8.2.x	2, 4, 8	
	FAS32x0	ONTAP 8.2.x ONTAP 8.3.x	4, 8, 16	
	FAS60x0	ONTAP 8.2.x ONTAP 8.3.x	2, 4, 8	
	FAS62x0	ONTAP 8.2.x ONTAP 8.3.x	4, 8, 16	

Nimble Storage

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
Nimble Storage	CS-Series	2.3.x	4, 8, 16	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8

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, 7840, 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 4xx Series	Purity 3.4.11, 4.1.3	2, 4, 8, 16	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	FlashArray //M	Purity 4.5.5	8, 16	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, DCX 8510-4, DCX 8510-8

Quantum

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
Quantum	DLT-S4	V42	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 7800, 7840, DCX-4S, DCX
	DXi8500 Series	2.3	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	DXi6800 Series	2.3	2, 4, 8	
	DXi6700 Series	2,3	2, 4, 8	
	DXi7500	1.5	2, 4, 8	
	Scalar i6000	670Q	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	Scalar i2000 (ADIC)	653Q	2, 4, 8	
	Scalar i500 (ADIC)	640G	2, 4, 8	
	Scalar i80	160G	2, 4, 8	
	Scalar i40	160G	2, 4, 8	

SolidFire

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
SolidFire	SF FibreChannel Array	Element 8.1.1.4	4, 8, 16	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8

Tegile

Vendor	Product Name	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
Tegile	HA2xxx Intelliflash Arrays	2.1.3.4(150311)-368	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	T3xxx Intelliflash Arrays	3.0.1.150929(HF1)	4, 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, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	Violin 6xxx	A6.3.x/G5.6.x	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	J39S	8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	LTO 5	I67S	8	
	LTO 4	85AW	4	
	LTO 3	11.908	2	
	MSL4048	8.1		

IBM

Vendor	Product Name	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
IBM	3592	H82672	4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	3584 Tape Library	B570 /C7R2		
	LTO Gen III	69U2	4	
	LTO 3	81W0	2	
	LT06	D8E6	8	
	LTO 5	D2AC		
	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, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	9840-D	1.45.703-5.20	4	
	SL500	V 1493		
	T10000-A	1.50.103	2, 4	
	T10000-B	1.50.203	2, 4	
	T10000-C	1.61.301	2, 4	
	T10000-D	4.08.105	4, 8, 16	
	SL3000	4.31		
	L700	3.18.02		
	SL150	2.39		
	VSM5	D02.17.14.00 D02.16.00.00 D02.15.20.00	2, 4	
	IBM LT06	E4J0	8	
	IBM LT05	E4J0	8	
	IBM LT04	7BG2	4	
	HP LT06	J3ES	8	
	HP LT05	I6BS	8	
	HP LT04	H58W	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, 13.2, 16.1	8, 16	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	FSP 3000 with 10TCE-PCN-10G+100G	DWDM	Transparent	11.2, 13.2, 16.1	8	
	FSP3000 with 5TCE-PCTN-10G	CWDM/DWDM	Transparent	9.3, 10.3, 11.2, 13.2, 16.1	2, 4, 8	
	FSP3000 with 5TCE-PCTN-10G	CWDM/DWDM	Transparent	9.3, 10.3, 11.2, 13.2, 16.1	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, 13.2, 16.1	2	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, 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, 13.2, 16.1	2, 4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	FSP3000 with 5TCE-PCTN-AES10G	CWDM/DWDM	Transparent	9.3, 10.3, 11.2, 13.2, 16.1	10	DCX-4S, DCX, FC10-6, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	FSP 3000 with WCA-PC-10G					
	FSP 300 with 2WCA-PCN					
	FSP3000 with 5TCE-PCTN-AES10G	CWDM/DWDM	Transparent	9.3, 10.3, 11.2, 13.2, 16.1	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	FSP3000 with 5TCE-PCTN-AES10G	CWDM/DWDM	Transparent	9.3, 10.3, 11.2, 13.2, 16.1	10	DCX-4S, DCX, FC10-6, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	FSP3000 with WCA-PC-10G	CWDM/DWDM	Transparent	8.2.2, 9.3, 10.3, 13.2, 16.1	4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, 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, 13.2, 16.1	4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	FSP 3000 with 10TCE-PCN-16G+100G	CWDM/DWDM	Transparent	13.2, 16.1	10	6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	FSP 3000 with 10TCE-PCN-16G+AES100G	CWDM/DWDM				
FSP 3000 with 10TCE-PCN-16G+100G	CWDM/DWDM	Transparent	12.3, 13.2, 16.1	8, 16	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-	

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/Code Version	Data Rate (Gbps)	Brocade Models
Adva Optical Networking (cont.)						4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	FSP 3000 with 10TCE-PCN-16G+AES100G	CWDM/DWDM	Transparent	12.3, 13.2, 16.1	8, 16	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	FSP 3000 with 5WCA-PCN-16GU	CWDM/DWDM	Transparent	13.2, 16.1	8, 16	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	FSP3000 with 5TCE-PCN-AES10G	CWDM/DWDM	Transparent	13.2, 16.1	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	FSP3000 with 5TCE-PCN-10G					
	FSP3000 with 5TCE-PCN-AES10G	CWDM/DWDM	Transparent	13.2, 16.1	10	6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	FSP3000 with 5TCE-PCN-10G					
	FSP 3000 with 10TCE-PCN-16GU+AES100G-BSI	CWDM/DWDM	Transparent	16.1	10	6505, 6510, 6520, DCX 8510-4, DCX 8510-8
FSP 3000 with 10TCE-PCN-16GU+AES100G-BSI	CWDM/DWDM	Transparent	16.1	8, 16	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, 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, 7840, 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, 7840, 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 11QPA4	DWDM	Transparent	R5.0	8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	1830 PSS16/32 11STMM10	DWDM	Transparent	R5.0	2, 4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models	
Alcatel-Lucent (cont.)	1830 PSS16/32 11DPM12	DWDM	Transparent	R5.0, 5.1.2, 5.1.6	2, 4	6510, 6520, DCX 8510-4, DCX 8510-8	
	1830 PSS4 11QPEN4	DWDM	Transparent	R5.0	8		
	1830 PSS4 4DPA4	DWDM	Transparent	R5.1.6	2, 4		
	1830 PSS16/32 4DPA4	DWDM	Transparent	R5.1.6	2, 4		
	1830 PSS4 11QPA4	DWDM	Transparent	R5.0	8		
	1830 PSS16/32 11QPEN4	DWDM	Transparent	R5.0	8		
	1830 PSS8 11QPEN4	DWDM	Transparent	R8.2	8, 10		
	1830 PSS4 11DPM12	DWDM	Transparent	R5.0, 5.1.6	2, 4		
	1830 PSS4 11QPEN4	DWDM	Transparent	R5.0	10		
	1830 PSS4 11QPA4	DWDM	Transparent	R5.0	10		
	1830 PSS16/32 11QPEN4	DWDM	Transparent	R5.0	10		
	1830 PSS16/32 11QPA4	DWDM	Transparent	R5.0	10		
	1830 PSS4 4DPA4	DWDM	Transparent	R6.0	2, 4		300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	1830 PSS4 11DPM12	DWDM	Transparent	R6.0	2, 4		
	1830 PSS4 11QPA4	DWDM	Transparent	R6.0	8, 10		
	1830PSS411QPEN4	DWDM	Transparent	R6.0	8, 10		
	1830 PSS16/32 4DPA4	DWDM	Transparent	R6.0	2, 4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8	
	1830 PSS16/32 11DPM12	DWDM	Transparent	R6.0	2, 4		
	1830 PSS16/32 11QPA4	DWDM	Transparent	R6.0	8, 10		
	1830 PSS16/32 11QPEN4	DWDM	Transparent	R6.0	8, 10		
	1830 PSS16/32 11STMM10	DWDM	Transparent	R6.0	2, 4		
	1830 PSS16/32 112SCX10	DWDM	Transparent	R6.0	8		
	1830 PSS16/32 130SCX10	DWDM	Transparent	R6.0	8		
	1830 11STAR1 with OPSB	DWDM	Transparent	R5.1.6	10		6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	1830 PSS16/32 11QPEN4	DWDM	Transparent	R7.0, 7.0.2	8, 10		
	1830 PSS16/32 11QPA4	DWDM	Transparent	R7.0	8, 10		300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Alcatel-Lucent (cont.)	1830 PSS16/32 11STMM10	DWDM	Transparent	R7.0	2, 4	
	1830 PSS16/32 4DPA4	DWDM	Transparent	R7.0	2, 4	
	1830 PSS16/32 11DPM12	DWDM	Transparent	R7.0, 7.0.2	2, 4	
	1830 PSS16/32 112SCX10	DWDM	Transparent	R7.0	8	
	1830 PSS16/32 130SCX10	DWDM	Transparent	R7.0	8	
	1830 PSS4 11QPEN4	DWDM	Transparent	R7.0, 7.0.2	8, 10	
	1830 PSS4 11QPA4	DWDM	Transparent	R7.0	8, 10	
	1830 PSS4 4DPA4	DWDM	Transparent	R7.0	2, 4	
	1830 PSS4 11DPM12	DWDM	Transparent	R7.0, 7.0.2	2, 4	
	1830 PSS16/32 112SDX11	DWDM	Transparent	R7.0.4	10	6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	1830 PSS32/16 112SCX10	DWDM	Transparent	R8.0	8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX-8510-4, DCX-8510-8
	1830 PSS32/16 112SDX11	DWDM	Transparent	R8.0 R8.2	4, 8, 16	
	1830 PSS32/16 112SDX11	DWDM	Transparent	R8.0 R8.2	10	DCX-4S, DCX, FC10-6, 6505, 6510, 6520, DCX-8510-4, DCX-8510-8
	1830 PSS4 112SDX11	DWDM	Transparent	R8.0 R8.2	4, 8, 16	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX-8510-4, DCX-8510-8
	1830 PSS4 112SDX11	DWDM	Transparent	R8.0 R8.2	10	DCX-4S, DCX, FC10-6, 6505, 6510, 6520, DCX-8510-4, DCX-8510-8
	1830 PSS8 112SDX11	DWDM	Transparent	R8.2	4, 8, 10, 16	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX-8510-4, DCX-8510-8
	1830 PSS4 11DPM12	DWDM	Transparent	R8.0	2, 4	
	1830 PSS8 11DPM12	DWDM	Transparent	R8.2	2, 4	
	1830 PSS16II 11DPM12	DWDM	Transparent	R8.2	2, 4	
	1830 PSS8 11QPA4	DWDM	Transparent	R8.2	8, 10	
	1830 PSS32/16 11QPA4	DWDM	Transparent	R8.0	8	
	1830 PSS32/16 11QPA4	DWDM	Transparent	R8.0	10	DCX-4S, DCX, 6505, 6510, 6520, DCX-8510-4, DCX-8510-8

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Alcatel-Lucent (cont.)	1830 PSS16II 11QPA4	DWDM	Transparent	R8.2	8, 10	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX-8510-4, DCX-8510-8
	1830 PSS4 11QPA4	DWDM	Transparent	R8.0	8	
	1830 PSS4 11QPA4	DWDM	Transparent	R8.0	10	DCX-4S, DCX, 6505, 6510, 6520, DCX-8510-4, DCX-8510-8
	1830 PSS32/16 11QPEN4	DWDM	Transparent	R8.0	8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX-8510-4, DCX-8510-8
	1830 PSS32/16 11QPEN4	DWDM	Transparent	R8.0	10	
	1830 PSS16II 11QPEN4	DWDM	Transparent	R8.2	8, 10	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX-8510-4, DCX-8510-8
	1830 PSS4 11QPEN4	DWDM	Transparent	R8.0	8	
	1830 PSS4 11QPEN4	DWDM	Transparent	R8.0	10	DCX-4S, DCX, FC10-6, 6505, 6510, 6520, DCX-8510-4, DCX-8510-8
	1830 PSS32/16 11STMM10	DWDM	Transparent	R8.2	2, 4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX-8510-4, DCX-8510-8
	1830 PSS8 130SCX10	DWDM	Transparent	R8.2	8	
	1830 PSS32/16 130SCX10	DWDM	Transparent	R8.0	8	
	1830 PSS32/16 4DPA4	DWDM	Transparent	R8.0	2, 4	
	1830 PSS4 4DPA4	DWDM	Transparent	R8.0	2, 4	
	1830 PSS8 4DPA4	DWDM	Transparent	R8.2	2,4	

NOTE: 1. OMSP Protected Schema for PSS32
2.ESNCP Protection Schema for PSS4
3.4DPA4 unprotected for PSS32 and PSS4

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, 7840, 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, 7840, 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, 11.1	2	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	5000 Series Quad OTR / Quad OTRe	DWDM	Transparent	11.1, 11.2	8	DCX 8510-4, DCX 8510-8
	5000 Series Quad OTR / Quad OTRe	DWDM	Transparent	11.1, 11.2	10*	DCX-4S, DCX, FC10-6, 6510, 6520, DCX 8510-4, DCX 8510-8
	5000 Muxponder 10G FC VCAT	DWDM	FC over SONET	R11.22	2G	DCX-4S, DCX, DC10-6, 6510, 6520, DCX 8510-4, DCX 8510-8
	Optical Metro 5040/5080	DWDM	Transparent	2.0	2, 4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, 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, FC10-6, 6510, 6520, DCX 8510-4, DCX 8510-8
	6500 Series	DWDM	Transparent	R10.1	2, 4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	6500 Series	DWDM	Transparent	R10.1	10*	DCX-4S, DCX, FC10-6, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	6500 4 x 10G OTRe	DWDM	Transparent	R10.1	4,8,10	DCX-4S, DCX, FC10-6, 6510, 6520, DCX 8510-4, DCX 8510-8
	CN 4200 with F10-T	DWDM	Transparent	8.1.2	10	300,5100 ,VA-40FC, 5300 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
CN4200 with Dual FC8	DWDM	Transparent	8.1.2	8		
Z-Series FLX-216i Multi-Rate OTN Muxponder Module	DWDM	Transparent	R8.0	2, 4	DCX-4S, DCX, 6505, 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, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	ONS 15454 with 40G MXP-C	DWDM	Transparent	9.3	8	DCX-4S, DCX, FC10-6
	ONS 15454 with 40G MXP-C	DWDM	Transparent	9.3	10	DCX-4S, DCX, FC10-6
	ONS 15454 with 10DME-C/ 10DMEX-C	DWDM	Transparent	4.5.0, 8.5.0, 9.0	2, 4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, 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
	ONS 15454 MSTP with 10x10G multi-rate card	DWDM	Transparent	9.6.0.5	8, 10	
	ONS 15454-MSTP with 10x10G multi-rate card plus PSM Optical Protection Switching Module	DWDM	Transparent	9.6.0.5	10	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	ONS 15454 MSTP with Encryption Line Card 15454-M-WSE-K9=	DWDM	Transparent	9.8.1.2	8	6510, 6520, DCX 8510-4, DCX 8510-8
	ONS 15454 MSTP with Encryption Line Card 15454-M-WSE-L-K9=	DWDM	Transparent	9.8.1.2	8	6510, 6520, DCX 8510-4, DCX 8510-8

NOTE: FEC and Trunking are not supported.

Coriant (Formerly Nokia Siemens Networks)

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Coriant	HIT 7300 with I04TQ10G + 002CSP	DWDM	Transparent	4.30	8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, 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

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Coriant (cont.)	HIT 7300 with IO5AD10G	DWDM	Transparent	4.30, 5.40	2, 4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	HIT 7300 with IO8AD10G	DWDM	Transparent	5.40	2, 4	
	HIT 7300 with IO4TQ10G	DWDM	Transparent	5.40	8, 10	
	OTS 7100/7100 Nano with HDTG card	DWDM	Transparent	7.1.2p3	8, 10	6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	OST 7100/7100 Nano with OSM20 Card	DWDM	Transparent	7.1.2p3	4	
	7100 HDTG	DWDM	Transparent	FP10.1.2	10	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	7100 OSM20	DWDM	Transparent	FP10.1.2	4	
	7610	Mux/Demux	Transparent	1.0.6	8, 16	

Cyan

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, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8

DeltaNet

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
DeltaNet	Lambdatrail 2	WDM	Transparent	3.01	2,4,8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	Lambdatrail 2-16	WDM	Transparent	3.3.2	1, 2, 4, 8, 16	6505, 6510, 6520, DCX 8510-4, DCX 8510-8

ECI Telecom

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
ECI Telecom	Apollo OPT96xx AOC 10	DWDM	Transparent	5.1	2, 4	300, 5100, VA-40FC, 5300, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
ECI Telecom (cont.)	Apollo OPT96xx TR10 4	DWDM	Transparent	5.1	8, 10	300, 5100, VA-40FC, 5300, 7800, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	Apollo TR10_12	DWDM	Transparent	6.2	8, 10, 16	300, 5100, 5300, DCX, DCX-4S, 6505, 6510, 8514, 8518

Ekinops

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Ekinops	360/360S with PM1001 RR	xWDM	Transparent	5EK7006ACAA 01	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, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	360 HC with PMC1008 MP	xWDM	Transparent	5.2.060	2, 4	
	360 with PM10010 MP-T	xWDM	Transparent	5EK01801AAA C01	8	6505, 6510, 6520, DCX 8510-4, DCX 8510-8

NOTE:Not Applicable for San Extension Tests, LH Network Failure(with Redundancy),16G ISL tests

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, 7840, 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	
	MHL 3000 - 10G ADM MXP module	DWDM	Transparent	6.1FP	1, 2, 4	6505, 6510, 6520, DCX 8510-4, DCX 8510-8

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, 7840, 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, 7840, 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 TN12LOM	WDM	Transparent	5.51.11.31 5.51.10.13 5.51.10.33	1, 2, 4		
	OSN 8800 with TN52TOM	WDM	Transparent	5.51.04.24	2	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8	
	OSN 8800 with TN11LOA	WDM	Transparent	1.0, 5.51.07.32, 5.51.07.36	2, 4, 8		
	OSN 8800 with TN11LOA	WDM	Transparent	5.51.11.31 5.51.10.13 5.51.10.33	1, 2, 4, 8, 10		
	OSN 8800 with TN17LTX	WDM	Transparent	5.51.11.31	8, 10		
	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 8800 with TN55TQX	WDM	Transparent	5.51.11.31 5.51.10.13 5.51.10.33	8, 10		
	OSN 8800 with TN13LSX	DWDM	Transparent	5.51.07.36	10		300, 6505, 6510, 6520
	OSN 1800 with LQM/LQM2/LWX2	WDM	Transparent	5.67.01.11	2		
	OSN 1800 with ELOM	WDM	Transparent	5.67.03.12	2, 4, 8		300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, 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		
	OSN1800 with TNF2ELOM	WDM	Transparent	5.67.03.63/ 5.67.03.28	2, 4, 8, 10		
	OSN1800 with TNF1LDX	WDM	Transparent	5.67.03.63/ 5.67.03.28	8, 10		
	OSN1800 with TNF2LSX	WDM	Transparent	5.67.03.28	8, 10		

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Huawei (cont.)	OSN1800 with TNF5TOA	WDM	Transparent	5.67.03.63	2, 4	
	OSN8800&6800 with TN55TQX	WDM	Transparent	5.51.08.38/ 5.51.07.35	8, 10	
	OSN8800 with TN57TQX	WDM	Transparent	5.51.08.38	8, 10	
	OSN8800 with TN57TDX	WDM	Transparent	5.51.08.38	8, 10	
	OSN8800 with TN54TOA	WDM	Transparent	5.51.08.38	2, 4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	OSN8800 with TN57TOA	WDM	Transparent	5.51.08.38	2, 4	
	OSN8800&6800 with TN14LSX	WDM	Transparent	5.51.08.38	10	
	OSN8800&6800 with TN12LOM	WDM	Transparent	5.51.08.38/ 5.51.07.35	2, 4	
	OSN8800&6800 with TN11LOA(02)	WDM	Transparent	5.51.08.38/ 5.51.07.35	2, 4, 8, 10	
	OSN8800&6800 with TN12LOM	WDM	Transparent	5.51.05.35	2, 4	
	OSN6800&OSN8800 with TN11LOM	WDM	Transparent	5.51.08.38	2, 4	
	OSN6800 with TNF1CE6	WDM	Transparent	5.67.03.58	2, 4, 8	
	OSN 1800 V Packet Enhanced with F2ELOMN	WDM	Transparent	5.67.05.13/5.67.05.22	2, 4, 8, 10	
	OSN 1800 V Packet Enhanced with F1LDXN	WDM	Transparent	5.67.05.13 5.67.05.22 5.67.06.21 5.67.03.79	8, 10	
	OSN 1800 V Packet Enhanced with F2LQM2N	WDM	Transparent	5.67.05.13/5.67.05.22	2	
	OSN 1800 V Packet Enhanced with F5TOA	WDM	Transparent	5.67.05.13/5.67.05.22	2, 4	
	OSN 1800 V Packet Enhanced with F5TDX	WDM	Transparent	5.67.05.22	8, 10	
	OSN 1800 V Packet Enhanced with F5TQX	WDM	Transparent	5.67.05.13/5.67.05.22	8, 10	
	OSN 1800 I&II Packet with F2ELOMN	DWDM	Transparent	5.67.06.21 5.67.03.79	2, 4, 8, 10	

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Huawei (cont.)	OSN 1800 II Packet with F2ELOMN	WDM	Transparent	5.67.05.15/5.67.05.22	2, 4, 8, 10	
	OSN 1800 II Packet with F1LDXN	WDM	Transparent	5.67.05.15/5.67.05.22	8, 10	
	OSN 1800 II Packet with F2LQM2N	WDM	Transparent	5.67.05.15/5.67.05.22	2	
	OSN 1800 I&II Packet with F1LDXN	DWDM	Transparent	5.67.06.21 5.67.03.79	8, 10	
	OSN1800 I&II Compact with F2ELOMN	WDM	Transparent	5.67.03.59 5.67.03.66 5.67.06.21 5.67.03.79	2, 4, 8, 10	
	OSN1800 I&II Compact with F1LDXN	WDM	Transparent	5.67.03.59 5.67.03.66 5.67.06.21 5.67.03.79	8, 10	
	OSN1800 I&II Compact with F2LSXN	WDM	Transparent	5.67.03.59/5.67.03.66	8, 10	
	OSN1800 I&II Compact with F2LQM2N	WDM	Transparent	5.67.03.59/5.67.03.66	2	
	OSN1800 I&II Compact with F1CE6	WDM	Transparent	5.67.03.59 5.67.03.66 5.67.06.21 5.67.03.79	2, 4, 8, 10	
	OSN1800 I&II Compact with F1CE6	WDM	Transparent	5.67.03.79	8, 10	
	OSN1800 I&II Compact with F1FC16Q	WDM	Transparent	5.67.03.79 5.67.06.21 5.67.03.79	16	
	OSN1800 I&II Compact with F1LDXN	WDM	Transparent	5.67.03.79	8, 10	
	OSN1800 I&II Compact with F2ELOM	WDM	Transparent	5.67.03.79	2, 4, 8, 10	
	OSN1800 I&II Compact with F2LSXN	WDM	Transparent	5.67.03.79	8, 10	

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Huawei (cont.)	OSN1800 I&II Compact with F1LTX	WDM	Transparent	5.141.06.13 5.67.06.21 5.67.03.79	8, 10	
	OSN1800 I&II Packet with F1LTX	DWDM	Transparent	5.67.06.21 5.67.03.79	8, 10	
	OSN1800 V Packet Enhanced with F1LDXN	WDM	Transparent	5.67.06.13	8, 10	
	OSN1800 V Packet Enhanced with F1LTX	WDM	Transparent	5.67.06.13	8, 10	
	OSN 1800 V with F1LTX	DWDM CWDM	Transparent	5.67.06.21 5.67.03.79	8, 10	
	OSN 1800 V with F2ELOMN	DWDM	Transparent	5.67.06.21 5.67.03.79	2, 4, 8, 10	
	OSN 1800 with F1CE6	WDM	Transparent	5.67.03.72	1, 2, 4, 8, 10	
	OSN 1800 with F1FC16Q	WDM	Transparent	5.67.03.72	10, 16	
	OSN 1800 V Packet Enhanced with F2ELOMN	WDM	Transparent	5.67.05.13 5.67.05.22 5.67.06.13	2, 4, 8, 10	
	OSN 9800 with TNV1T216	WDM	Transparent	5.111.01.64	8, 10	300, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	OSN 9800 with TNV1T130	WDM	Transparent	5.111.01.64	2, 4	
		WDM	Transparent	5.111.01.83 5.111.03.10	1, 2, 4	300, 6505, 6510, 6520
	OSN 9800 with TNV1T210	WDM	Transparent	5.111.01.83 5.111.03.10	8, 10	
	OSN 9800 with TNV1T216	WDM	Transparent	5.111.01.83	8, 10	
	OSN 9800 with TNV2T210	WDM	Transparent	5.111.01.83	8, 10	
	OSN 9800 with TNV1T220	DWDM	Transparent	5.111.03.10	8, 10	
	OSN 9800 with TNV2T220	WDM	Transparent	5.111.01.83	8, 10	

NOTES: LH Network Failure pass with ODUKSNCP Protection

- For OSN1800 Products, the boards support ODUK SNCP as follow: F2LQM, F2LQM2, TNF2ELOM, TNF1LDX, TNF2LSX, TNF5TOA, TNF1CE6, F2ELOMN, F1LDXN, F2LQM2N, F5TDX, F5TQX, F2LSXN; The boards support intra-board 1+1 protection as follow: F2LQM, F2LQM2, F1LWX2, TNF2ELOM, TNF1LDX, TNF2LSX, TNF1CE6, F2ELOMN, F1LDXN, F2LQM2N, F2LSXN.

2. For OSN8800 Products, the boards support ODUK SNCP as follow: TN52TOM, TN55TQX, TN54THA , TN54TOA, TN57TQX, TN57TDX, TN57TOA ;
The boards support intra-board 1+1 protection as follow: TN11LOA, TN12LOM, TN52TOM , TN14LSX, TN11LOM;
The boards support client 1+1 protection as follow: TN11LOA.
3. For OSN9800 Products, the boards support ODUK SNCP as follow: TNV1T216, TNV1T130, TNV1T210 , TNV1T216, TNV2T210, TNV2T220;
4. Make sure that the [configuration item “LOS TOV enable” in Brocade equipment](#) is “ON” after finishing the Brocade equipment port configuration..
5. Suggest the use of more than 7.3.0a version of Brocade equipment.

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, 7840, 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, 7840, 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
	MXP100G	DWDM	Transparent	R26a-253	8	6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	TPHEX10G	DWDM	Transparent	R26a-25	8	

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, 7840, 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, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	WaveReady with WRT-781 module	DWDM	Transparent	4.8.3	2, 4	8510-4, DCX 8510-8
	WaveReady with WRT-882 module	DWDM	Transparent	5.1.5	8, 10	6505, 6510, 6520, DCX 8510-4, DCX 8510-8

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, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	msXTPF6HC with msXTP10GMPLH	xWDM	Transparent	R5.2.051	2, 4	
	msXTPF6HC with MsXTP10GTDMTT	xWDM	Transparent	R5.2.051	2, 4	
	MSP1000 with CXG+, OFC10	xWDM	Transparent	ArmCore V3.7	2, 4, 8, 10, 16	6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	Msp1000 with TXG,XCM2	xWDM	Transparent	ArmCore V3.7	10	
	MSP1000 with CXG,XCM3	xWDM	Transparent	ArmCore V3.7	8, 10	

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, 7840, 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	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	NC316BU-16/AC with EM316FC400	DWDM	Transparent		2, 4	
	NC316BU-16/AC with EM316-2XFP-ET	DWDM	Transparent		10	DCX-4S, DCX, FC10-6
	Chassis-BU16/15FibreDriver & OD480HD Opti Driver - EM316DMR10G	WDM	Transparent	4.9FDR12	4, 8	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, 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, 7840, 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, 7840, 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, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	PL1000TE	Mux/Dmux	Transparent	1.0.6	8, 16	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, 7840, 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	

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Padtec (cont.)	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	
	LightPad i1600G with TCX12-4D-A0	DWDM	Transparent	1.1.1	4	
	LightPad i1600G T100DCT-4BDASL	DWDM	Transparent	1.2.0	2, 4, 8	
	LightPad i1600G T100DCT-4BDASL	DWDM	Transparent	1.2.0	4, 8, 10	
	LightPad i1600G TCX12-4D-A0	DWDM	Transparent	1.1.1	2, 4	
	LightPad i1600G TCX12-4D-A0	DWDM	Transparent	1.1.1.	4	
	LightPad i1600G TM400C92-DBF-XHA-CA	DWDM	Transparent	3.6,020	8	
	LightPad i1600G TM400C92-DBF-XHA-CA	DWDM	Transparent	3.6,020	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, 7840, 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
	Speed –Dualling 16G	xWDM	Transparent	5.1.0	4, 8, 16	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, 7840, 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
	T-1608	Mux/Dmux	Transparent	1.0.6	8, 16	6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	M:Series	Mux/Dmux	Transparent	2.0.4	8, 16	6505, 6510, 6520, DCX 8510-4, DCX 8510-8

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, 7840, 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	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	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, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Sorrento Networks (cont.)	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, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	OTS 7100/7100Nano with TGTm-E	DWDM	Transparent	FP4.3.1f4	10	DCX-4S, DCX, FC10-6
	7100 USS/ 7100 Nano with OSM20, HDTG	DWDM	Transparent	7.1.2	2, 4, 8, 10	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8

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, 7840, 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, 7840, 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-Series TPQMS	xWDM	Transparent	R13.0/r13a	1, 2, 4	1G, 2G, 4G: 4100, 4900, 5000, 7500, 48000 8G: 300, 5300, 5100, DCX
	TM-Series TPQMS	xWDM	Transparent	R20.0 (r20a)	2, 4	2G: 300B, 4G: 6510
	TM-Series TPD10G-L-BU	xWDM	Transparent	R16.0/r16a	2, 4, 8	2G, 4G: 200E, 4100, 4900, 500, 7500, 48000, 300, 5300, 5100, DCX/DCX-4S 8G: 300, 5300, 5100, DCX/DCX-4S

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Transmode (cont.)	TM-Series TPD10G-L-BU	xWDM	Transparent	R16.0/r16a	10	DCX-4S, DCX, FC10-6
	TM-Series TPD10G-L-BU	xWDM	Transparent	R20.0 (r20a)	4, 8, 10	4G, 8G, 10G: 6510
	TM-Series MS-MXP/10G	xWDM	Transparent	R20.0 (r20a)	2, 4	2G: 300, 4G: 6510
	MS-MXP/10G	xWDM	Transparent	R16.0/r16a	2, 4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	TM-Series MS-MXP (msMxpDQgbe)	xWDM	Transparent	R20.0 (r20a)	2	300B
	TM-Series MXP10G0TN	xWDM	Transparent	R22.0 (r22a)	2, 4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	TM-Series TPQMP	xWDM	Transparent	R20.0 (r20a)	2, 4	2G: 300B, 4G: 6510
	TM-Series TPMRHEX-L/16G	xWDM	Transparent	R23b-20	8, 10, 16	8G: 300 10G, 16: 6505, 6510, 6520
	TM-102 TM-3000 TPMRHEX-L Card	DWDM	Transparent	R23b-20	4, 8, 10, 16	6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	TS-Series 5810/01	xWDM	Transparent	R21	2	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	TS-Series 7400/01	xWDM	Transparent	R16	2, 4	
	TS-Series 5400/02	xWDM	Transparent	1.0.4	2	
	TS-Series 7700/01	xWDM	Transparent	1.1.0	2	
	TS-Series 7900/01	xWDM	Transparent	R28	8, 10	6505, 6510, 6520, DCX8510-4, DCX8510-8, 7840

NOTE: TM-Series TPQMS and TPD10G-L-BU Failed on Redundancy

Vello Systems

Vendor	Product Name	MAN/WAN Type	Protocol	Firmware/ Code Version	Data Rate (Gbps)	Brocade Models
Vello 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, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8
	CX4000 with CX50T	WDM	Transparent	6.8	4, 8, 10	

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, 7840, 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	
	ZXMP M721 Cards M2MQA2 TD2C	DWDM	Transparent	1.0 , 3.0, 3.30	4	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX
	ZXMP M721/ZXMP M720/ZXMP M820/ZXWM M920/ZXONE 8000/ZXONE 8300/8500/8700/ ZXONE 9700 Cards: MQA2	DWDM	Transparent	1.0, 3.30	4, 8	300, 5100, VA-40FC, 5300, 7800, DCX-4S, DCX

NOTE:ISL trunking N/A

Chapter 8: Transceivers by Vendor

Finisar

Vendor	Data Rate (Gbps)	Product	Part Number	Brocade Models
Finisar	4	4G ELWL - 50km	FWLF1524P2L55B03	300, 5100, VA-40FC, 5300, 54XX, 7800, 7840, DCX-4S, DCX FOS 7.4.1a
		4G ELWL - 100km	FWLF1625P2L55B03	
		4G CWDM 80km (8 wavelengths from 1470nm-1610nm)	FWLF1625P2L47B04	
			FWLF1625P2L49B04	
			FWLF1625P2L51B04	
			FWLF1625P2L53B04	
			FWLF1625P2L55B04	
			FWLF1625P2L57B04	
		4G DWDM 80km (25 wavelengths from 1530nm-1560nm) w/ "T-3832" Mux (FOS 6.3.0 required)	FWLF1625P2L59B04	
	FWLF1625P2L61B04			
	FWLF1634RLxxB04 (xx = 21 @ 1560.61nm thru 60 @ 1529.55nm)			
	8	8G CWDM 40km (16 wavelengths from 1290nm-1610nm)	FTLX2670SCCxxB08 (xx = 47 @ 1470nm thru 61 @ 1610nm)	300, 5100, VA-40FC, 5300, 54XX, 7800, 7840, DCX-4S, DCX FOS 7.4.1a
8G CWDM 40km (16 wavelengths from 1290nm-1610nm)		FTLX2670SCCxxB08 (xx = 47 @ 1470nm thru 61 @ 1610nm)		
8	8G DWDM 40km (SFP+) (40 wavelengths from 1530nm-1560nm)	FTLX3670SCCxxB08 (xx = 21 @ 1560.61nm thru 60 @ 1529.55nm)	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8 FOS 7.4.1a	
8	8G CWDM 70km (SFP+) (8 wavelengths from 1470nm-1610nm)	FTLX2870SCCxxB08 (xx = 47 @ 1470nm thru 61 @ 1610nm)	300, 5100, 5300, 7800, DCX-4S, DCX, DCX 8510-4, DCX 8510-8 (FOS 7.4.1a) 6505, 6510, 6520 (FOS 7.4.1a)	
16	16G DWDM 40km (SFP+)	FTLX3670SCCxxB16 (xx = 21 @ 1560.61nm thru 60 @ 1529.55nm)	6505, 6510, 6520, DCX 8510-4, DCX 8510-8 FOS 7.4.1a	

Smartoptics

Vendor	Data Rate (Gbps)	Product	Part Number	Brocade Models
Smartoptics	4	4G ELWL - 50km (note 1)	SO-SFP-4GFC-L50D	300, 5100, VA-40FC, 5300, 54XX, 7800, 7840, DCX-4S, DCX
		4G ELWL - 100km (note 1)	SO-SFP-4GFC-L100D	
		4G CWDM 80km (8 wavelengths from 1470nm-1610nm) w/ "T-3008-LC" Mux or "T-3009-LC" Mux (note 1)	SO-SFP-4GFC-80D-C47	
			SO-SFP-4GFC-80D-C49	
			SO-SFP-4GFC-80D-C51	
			SO-SFP-4GFC-80D-C53	
			SO-SFP-4GFC-80D-C55	
			SO-SFP-4GFC-80D-C57	
		SO-SFP-4GFC-80D-C59		
	SO-SFP-4GFC-80D-C61			
	4G DWDM 80km (25 wavelengths from 1530nm-1560nm) w/ "T-3832" Mux (note 1 & 4)	SO-SFP-4GFC-80D-Dxxxx (note 2) with "T-3832" Mux		
	8	8G CWDM 40km (16 wavelengths from 1290nm-1610nm) (note 1 & 4)	SO-SFP-8GFC-40D-Cxx (note 3)	300, 5100, VA-40FC, 5300, 54XX, 7800, 7840, DCX-4S, DCX
		8G CWDM 40km (16 wavelengths from 1290nm-1610nm) (note 1 & 4)	SO-SFP-8GFC-40D-Cxx (note 3) Channels 1470nm-1610nm to be used with "T-3009-LC-40" Mux/Demux and channels 1290nm-1430nm to be used with T-3016-LC Mux/Demux	
	8	8G ELWL 40km (note 1 & 4)	8G-ER-D340-BR1	300, 5100, VA-40FC, 5300, 54XX, 7800, 7840, DCX-4S, DCX
		8G ELWL 70km (note 1 & 4)	8G-ZR-Cxx-BR1 (note 3)	
8	8G DWDM 40km (SFP+) (40 wavelengths from 1530nm-1560nm) used with T-3832 for up to 32 channels (note 1)	8G-ER-Dxxx-BR1 (note 5)	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8 FOS 7.1.1	
8	8G DWDM 100km (SFP+) used with M-Series for up to 32 channels (note 1)	8G-ER-Dxxx-BR1 (note 5)	300, 5100, VA-40FC, 5300, 54XX, 65XX, 7800, 7840, DCX-4S, DCX, 6505, 6510, 6520, DCX 8510-4, DCX 8510-8 FOS 7.1.1	

Vendor	Data Rate (Gbps)	Product	Part Number	Brocade Models
Smartoptics (cont.)	8	8G DWDM 100km (SFP+) used with T + M-Series for up to 32 channels if 850nm customer hand off required (note 1)	8G-ER-Dxxx-BR1 (note 5)	
		8G CWDM 70km (SFP+) (8 wavelengths from 1470nm-1610nm) w/ "T-3008-LC" Mux or "T-3009-LC" Mux (note 1)	8G-ZR-Cxx-BR1 (note 6)	300, 5100, 5300, 7800, DCX-4S, DCX, DCX 8510-4, DCX 8510-8 FOS 7.1.1 6505, 6510, 6520 FOS 7.3.0b
	16	16G DWDM 40km (SFP+) Used with M-Series or T-3832 or T-3809 or T-1608 muxes	16G-ER-Dxxx-BR1 (note 5)	6505, 6510, 6520, DCX 8510-4, DCX 8510-8 FOS 7.3.1

Note (1) Please note that the SmartOptics SO-SFP-8GFC-40D-Cxx transceivers (8G CWDM 40km SFP+) are required to be used with the T-3009-LC-40
Any passive muxes can be used with the rest of the SmartOptics transceivers.

Note (2) xxx = (1) 9580 - 1531.12nm (2) 9560 - 1532.68nm (3) 9530 - 1535.04nm (4) 9510 - 1536.61nm (5) 9480 - 1538.98nm (6) 9460 - 1540.56nm (7) 9430 - 1542.94nm (8) 9410 - 1544.53nm (9) 9380 - 1546.92nm (10) 9360 - 1548.51nm (11) 9350 - 1549.32nm (12) 9340 - 1550.12nm (13) 9330 - 1550.92nm (14) 9320 - 1551.72nm (15) 9310 - 1552.52nm (16) 9300 - 1553.33nm (17) 9290 - 1554.13nm (18) 9280 - 1554.94nm (19) 9270 - 1555.75nm (20) 9260 - 1556.55nm (21) 9250 - 1557.36nm (22) 9240 - 1558.17nm (23) 9230 - 1558.98nm (24) 9220 - 1559.79nm (25) 9210 - 1560.61nm

Note (3) xx = (1) 29 - 1290nm (2) 31 - 1310nm (3) 33 - 1330nm (4) 35 - 1350nm (5) 37 - 1370nm (6) 39 - 1390nm (7) 41 - 1410nm (8) 43 - 1430nm (9) 47 - 1470nm (10) 49 - 1490nm (11) 51 - 1510nm (12) 53 - 1530nm (13) 55 - 1550nm (14) 57 - 1570nm (15) 59 - 1590nm (16) 61 - 1610nm
"T-3009-LC-40" Mux supports 8 wavelengths from 1470nm thru 1610nm and also a 1310nm expansion port.
"T-3016-LC-40" and "T-3016-LC" Mux supports 8 wavelengths from 1290nm thru 1430nm. The output of "T-3016-LC-40" can be connected to the 1310nm expansion port of the "T-3009-LC-40" for a total of 16 CWDM channels.

Note (4) Certified as compatible by DCR (Datacenter Ready) team. FOS 6.3.0 is required

Note (5) xxx = (1) 180 (1563.05nm) (2) 190 (1562.23nm) (3) 200 (1561.42nm) (4) 210 (1560.61nm) (5) 220 (1559.79nm) (6) 230 (1558.98nm) (7) 240 (1558.17nm) (8) 250 (1557.36nm) (9) 260 (1556.55nm) (10) 270 (1555.75nm) (11) 280 (1554.94nm) (12) 290 (1554.13nm) (13) 300 (1553.33nm) (14) 310 (1552.52nm) (15) 320 (1551.72nm) (16) 330 (1550.92nm) (17) 340 (1550.12nm) (18) 350 (1549.32nm) (19) 360 (1548.51nm) (20) 370 (1547.72nm) (21) 380 (1546.92nm) (22) 390 (1546.12nm) (23) 400 (1545.32nm) (24) 410 (1544.53nm) (25) 420 (1543.73nm) (26) 430 (1542.94nm) (27) 440 (1542.14nm) (28) 450 (1541.35nm) (29) 460 (1540.56nm) (30) 470 (1539.77nm) (31) 480 (1538.98nm) (32) 490 (1538.19nm) (33) 500 (1537.40nm) (34) 510 (1536.61nm) (35) 520 (1535.82nm) (36) 530 (1535.04nm) (37) 540 (1534.25nm) (38) 550 (1533.47nm) (39) 560 (1532.68nm) (40) 570 (1531.90nm) (41) 580 (1531.12nm) (42) 590 (1530.33nm) (43) 600 (1529.55nm) (44) 610 (1528.77nm)

Note (6) xx = (1) 47 - 1470nm (2) 49 - 1490nm (3) 51 - 1510nm (4) 53 - 1530nm (5) 55 - 1550nm (6) 57 - 1570nm (7) 59 - 1590nm (8) 61 - 1610nm

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