



Brocade Fabric OS 8.x Compatibility Matrix

February 2017

This document summarizes equipment known to be compatible with the Brocade® Fabric OS (FOS) 8.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.

Chapter 1: Introduction

OVERVIEW

Brocade and its OEM and Developer Partners have tested a wide variety of devices for compatibility with the Brocade FOS 8.x 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: <https://www.emc.com/interoperability>
- Fujitsu: <http://www.fujitsu.com/global/support/products/computing/storage/>
- HDS: <http://www.hds.com/products/interoperability/>
- HP: <https://h20272.www2.hp.com/spock/>
- IBM: <http://www-03.ibm.com/systems/support/storage/ssic/interoperability.wss>
- NetApp: <http://support.netapp.com/matrix/>

SENDING FEEDBACK

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

Chapter 2: Brocade FOS 8.x Platforms

To find out more about Brocade FOS 8.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 8.x platforms in the table support hot code activation unless otherwise noted.

NOTE: Support for 4 Gbps speed on Gen 6 Fibre Channel platforms requires 16 Gbps optics

NOTE: Support for 2 Gbps speed is only available on supported Gen 5 and 8 Gbps Fibre Channel platforms using 8 Gbps optics

Supported FOS 8.x Models
Gen 5 and 8 Gbps Fibre Channel Platforms
Brocade 6505 Switch
Brocade 6510 Switch
Brocade 6520 Switch
Brocade Gen 5 65xx Blade Server Switches: 6542, 6543, M6505, 6545, 6546, 6547, 6548, 6549, 6558, & 6559
Brocade 7840 Extension Switch
Brocade 8510-8 and 8510-4 Backbones Port blades: FC16-32/48/64, FC8-32E/48E/64 Intelligent blades: FX8-24
Gen 6 Fibre Channel Platforms
Brocade G620 Switch
Brocade X6-8 and X6-4 Directors Port blades: FC32-48 Intelligent blades: SX6

Smartoptics

Vendor	Data Rate (Gbps)	Product	Part Number	Brocade Models
Smartoptics	8	ELWL 40km	8G-ER-Dxxx-BR1 (note 1)	7840, SX6 FOS 7.x and beyond
		ELWL 70km	8G-ZR-C55-BR1	7840, SX6 FOS 7.x and beyond
		CWDM 70km (note 2)	8G-ZR-C47-BR1	6505, 6510, 6520, 65XX, 7840, DCX 8510-4, DCX 8510-8 (FOS 7.x and beyond) G620, X6-4, X6-8 (FOS 8.x and beyond)
			8G-ZR-C49-BR1	
			8G-ZR-C51-BR1	
			8G-ZR-C53-BR1	
8G-ZR-C55-BR1				
8G-ZR-C57-BR1				
8G-ZR-C59-BR1				
8G-ZR-C61-BR1				
CWDM 40km (note 2)	SO-SFP-8GFC-40D-C27	7840, SX6 FOS 7.x and beyond		
	SO-SFP-8GFC-40D-C29			
	SO-SFP-8GFC-40D-C31			
	SO-SFP-8GFC-40D-C33			
	SO-SFP-8GFC-40D-C35			
	SO-SFP-8GFC-40D-C37			
	SO-SFP-8GFC-40D-C39			
	SO-SFP-8GFC-40D-C41			
	SO-SFP-8GFC-40D-C47			
	SO-SFP-8GFC-40D-C49			
	SO-SFP-8GFC-40D-C51			
	SO-SFP-8GFC-40D-C53			
	SO-SFP-8GFC-40D-C55			
	SO-SFP-8GFC-40D-C57			
	SO-SFP-8GFC-40D-C59			
SO-SFP-8GFC-40D-C61				
DWDM 0-40km (note 3)	8G-ER-Dxxx-BR1	6505, 6510, 6520, 65XX, 7840, DCX 8510-4, DCX 8510-8 (FOS 7.x and beyond) G620, X6-4, X6-8 (FOS 8.x and beyond)		
8G DWDM 0-120km (note 3&4)	8G-ER-Dxxx-BR1 and M-1601-921936- D003TC1	6505, 6510, 6520, 65XX, 7840, DCX 8510-4, DCX 8510-8 (FOS 7.x and beyond) G620, X6-4, X6-8 (FOS 8.x and beyond)		

Smartoptics (cont.)	8G DWDM 0-160km (note 3&4)	8G-ZR-Dxxx-BR1 and M-1601-921936-D1A3TC1	6505, 6510, 6520, 65XX, 7840, DCX 8510-4, DCX 8510-8, G620, X6-4, X6-8
	ELWL 0-40km	16G-ER-Dxxx-BR1 (note 1)	FOS 7.x and beyond 6505, 6510, 6520, 65XX, 7840, DCX 8510-4, DCX 8510-8 (FOS 7.x and beyond) G620, X6-4, X6-8 (FOS 8.x and beyond)
	CWDM 0-40km, Channel 1530nm	16G-ER-Dxxx-BR1 (note 1)	6505, 6510, 6520, 65XX, 7840, DCX 8510-4, DCX 8510-8 (FOS 7.x and beyond) G620, X6-4, X6-8 (FOS 8.x and beyond)
	CWDM 0-40km, 1550nm	16G-ER-D340-BR1 (note 1)	6505, 6510, 6520, 65XX, 7840, DCX 8510-4, DCX 8510-8 (FOS 7.x and beyond) G620, X6-4, X6-8 (FOS 8.x and beyond)
	DWDM 0-40km (note 3)	16G-ER-Dxxx-BR1	6505, 6510, 6520, 65XX, 7840, DCX 8510-4, DCX 8510-8 (FOS 7.x and beyond) G620, X6-4, X6-8 (FOS 8.x and beyond)
	16G DWDM 0-40km (note 3&4)	16G-ER-Dxxx-BR1 and M-1601-921936-D003TC1	6505, 6510, 6520, 65XX, 7840, DCX 8510-4, DCX 8510-8 (FOS 7.x and beyond) G620, X6-4, X6-8 (FOS 8.x and beyond)
	16G DWDM 0-80km (note 3&4)	16G-ER-Dxxx-BR1 and M-1601-921936-D1A3TC1	6505, 6510, 6520, 65XX, 7840, DCX 8510-4, DCX 8510-8 (FOS 7.x and beyond) G620, X6-4, X6-8 (FOS 8.x and beyond)
	16G DWDM 40-120km (note 3&4)	16G-ER-Dxxx-BR1 and M-1601-921936-D1B3TC1	6505, 6510, 6520, 65XX, 7840, DCX 8510-4, DCX 8510-8 (FOS 7.x and beyond) G620, X6-4, X6-8 (FOS 8.x and beyond)

note (1)	CWDM 1530	Dxxx = D520 to D610
	CWDM 1550	Dxxx = D260 to D420
note (2)	T-3009 supports eight CWDM wavelengths 1470nm to 1610nm. Expansion port for T-3016 T-3016 supports eight CWDM wavelengths 1290nm to 1430nm	
Note (3)	Dxxx = D180 (1563.05nm), D190 (1562.23nm), D200 (1561.42nm), D210 (1560.61nm), D220 (1559.79nm), D230 (1558.98nm), D240 (1558.17nm), D250 (1557.36nm), D260 (1556.55nm), D270 (1555.75nm), D280 (1554.94nm), D290 (1554.13nm), D300 (1553.33nm), D310 (1552.52nm), D320 (1551.72nm), D330 (1550.92nm), D340 (1550.12nm), D350 (1549.32nm), D360 (1548.51nm), D370 (1547.72nm), D380 (1546.92nm), D390 (1546.12nm), D400 (1545.32nm), D410 (1544.53nm), D420 (1543.73nm), D430 (1542.94nm), D440 (1542.14nm), D450 (1541.35nm), D460 (1540.56nm), D470 (1539.77nm), D480 (1538.98nm), D490 (1538.19nm), D500 (1537.40nm), D510 (1536.61nm), D520 (1535.82nm), D530 (1535.04nm), D540 (1534.25nm), D550 (1533.47nm), D560 (1532.68nm), D570 (1531.90nm), D580 (1531.12nm), D590 (1530.33nm), D600 (1529.55nm), D610 (1528.77nm)	
Note (4)	Extended distances using embedded DWDM transceivers and intelligent mux/demux, no DWDM transponder system required M-1601-921936-C0000C1 M-Series mux/demux with monitoring M-1601-921936-D003TC1 M-Series mux/demux with monitoring, Rx (EDFA & tunable DCM) M-1601-921936-D1A3TC1 M-Series mux/demux with monitoring, Tx (EDFA & DCM), Rx (EDFA & tunable DCM) M-1601-921936-D1B3TC1 M-Series mux/demux with monitoring, Tx (EDFA & DCM), Rx (EDFA & tunable DCM)	

Vendor	Data Rate (Gbps)	Product	Part Number	Brocade Models
Smartoptics	8	DWDM 0-80km (note 3)	8G-ZR-Dxxx-BR1	6505, 6510, 6520, 65XX, 7840, DCX 8510-4, DCX 8510-8 (FOS 7.x and beyond) G620, X6-4, X6-8 (FOS 8.x and beyond)
		8G DWDM 0-120km (note 3&4)	8G-ZR-Dxxx-BR1 and M-1601-921936-D003TC1	6505, 6510, 6520, 65XX, 7840, DCX 8510-4, DCX 8510-8 (FOS 7.x and beyond) G620, X6-4, X6-8 (FOS 8.x and beyond)
		8G DWDM 0-160km (note 3&4)	8G-ZR-Dxxx-BR1 and M-1601-921936-D1A3TC1	6505, 6510, 6520, 65XX, 7840, DCX 8510-4, DCX 8510-8 (FOS 7.x and beyond) G620, X6-4, X6-8 (FOS 8.x and beyond)
	16	ELWL 0-40km	16G-ER-BR2	6505, 6510, 6520, 65XX, 7840, DCX 8510-4, DCX 8510-8 (FOS 7.x and beyond) G620, X6-4, X6-8 (FOS 8.x and beyond)
		CWDM 0-40km, 1530nm	16G-ER-Dxxx-BR2 (note 1)	6505, 6510, 6520, 65XX, 7840, DCX 8510-4, DCX 8510-8 (FOS 7.x and beyond) G620, X6-4, X6-8 (FOS 8.x and beyond)
		CWDM 0-40km, 1550nm	16G-ER-D340-BR2 (note 1)	6505, 6510, 6520, 65XX, 7840, DCX 8510-4, DCX 8510-8 (FOS 7.x and beyond) G620, X6-4, X6-8 (FOS 8.x and beyond)
		DWDM 0-40km (note 3)	16G-ER-Dxxx-BR2	6505, 6510, 6520, 65XX, 7840, DCX 8510-4, DCX 8510-8 (FOS 7.x and beyond) G620, X6-4, X6-8 (FOS 8.x and beyond)
		16G DWDM 0-40km (note 3&4)	16G-ER-Dxxx-BR2 and M-1601-921936-D003TC1	6505, 6510, 6520, 65XX, 7840, DCX 8510-4, DCX 8510-8 (FOS 7.x and beyond) G620, X6-4, X6-8 (FOS 8.x and beyond)
		16G DWDM 0-80km (note 3&4)	16G-ER-Dxxx-BR2 and M-1601-921936-D1A3TC1	6505, 6510, 6520, 65XX, 7840, DCX 8510-4, DCX 8510-8 (FOS 7.x and beyond) G620, X6-4, X6-8 (FOS 8.x and beyond)
		16G DWDM 40-120km (note 3&4)	16G-ER-Dxxx-BR2 and M-1601-921936-D1B3TC1	6505, 6510, 6520, 65XX, 7840, DCX 8510-4, DCX 8510-8 (FOS 7.x and beyond) G620, X6-4, X6-8 (FOS 8.x and beyond)

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