



The Western Digital System Integration Lab tested the 2U24 Flash Storage Platform for the following hardware components and operating systems to demonstrate functional compatibility. Other combinations of hardware and software are expected to function with this product, but have not been evaluated.

To use this document, click on the heading of any of the cards below to be taken to a detailed listing of the compatibility information for that device type. Preferred and newly qualified device models are listed under each card, and clicking the name of the device will take you to the details on that specific device model.

HBAs

- [Broadcom 9305-16e](#)
- [Broadcom MegaRAID 9380-8e](#)
- [Broadcom MegaRAID 9480-8i8e](#)
- [Broadcom 9400-8e, -16e](#)

Drives

- [Western Digital® Ultrastar® SS200](#)
- [Western Digital® Ultrastar® SS200](#)
- [Western Digital® Ultrastar® SS200](#)

1.1 HBA Compatibility Details

Table 1: Broadcom 9300-8e Interoperability Notes

Broadcom 9300-8e HBA			Linux FW & Driver			Windows FW & Driver
BIOS			08.37.00.00_04.00 (P16)			08.37.00.00_04.00 (P16)
Firmware			16.00.10.00 (P16)			16.00.10.00 (P16)
Driver			32.00.00.00-1 (P16)			2.51.26.00 (P16)
OS Support						
Windows 2016 Server	Windows 2019 Server	RHEL 7.4	RHEL 7.6	RHEL 8	Ubuntu 16.04	Ubuntu 18.04
Supported	Supported	Supported	Supported	Supported	Supported	Supported

Table 2: Broadcom 9305-16e Interoperability Notes

Broadcom 9305-16e HBA			Linux FW & Driver			Windows FW & Driver
BIOS			08.37.00.00_04.00 (P16)			08.37.00.00_04.00 (P16)
Firmware			16.00.10.00 (P16)			16.00.10.00 (P16)
Driver			26.00.00.00 (P16)			2.51.26.00 (P16)
OS Support						
Windows 2016 Server	Windows 2019 Server	RHEL 7.4	RHEL 7.6	RHEL 8	Ubuntu 16.04	Ubuntu 18.04
Supported	Supported	Supported	Supported	Supported	Supported	Supported

Table 3: Broadcom MegaRAID 9380-8e Interoperability Notes

Broadcom MegaRAID 9380-8e HBA		Linux FW & Driver	Windows FW & Driver
BIOS		6.36.00.3	6.36.00.3

Broadcom MegaRAID 9380-8e HBA				Linux FW & Driver		Windows FW & Driver
Firmware				24.21.0-0119		24.21.0-0119
Driver				07.712.02.00		06.714.18.00
OS Support						
Windows 2016 Server	Windows 2019 Server	RHEL 7.4	RHEL 7.6	RHEL 8	Ubuntu 16.04	Ubuntu 18.04
Supported	Supported	Supported	Supported	Supported	Supported	Supported

Table 4: Broadcom MegaRAID 9480-8i8e Interoperability Notes

Broadcom MegaRAID 9480-8i8e HBA				Linux FW & Driver		Windows FW & Driver
BIOS				7.12.03.0_0x070C0300 (MR 7.7)		7.12.03.0_0x070C0300 (MR 7.7)
Firmware				51.12.0-3097 (MR 7.7)		51.12.0-3097 (MR 7.7)
Driver				07.712.02.00 (MR 7.7)		7.712.09.00 (MR 7.7)
OS Support						
Windows 2016 Server	Windows 2019 Server	RHEL 7.4	RHEL 7.6	RHEL 8	Ubuntu 16.04	Ubuntu 18.04
Supported	Supported	Not Supported	Not Supported	Supported	Supported	Supported

Table 5: Broadcom 9400-8e, -16e Interoperability Notes

Broadcom 9400-8e, -16e HBA				Linux FW & Driver		Windows FW & Driver
BIOS				09.09.00.00_08.00.00.00		09.09.00.00_08.00.00.00
Firmware				13.00.00.00		13.00.00.00
Driver				32.00.00.00-1		2.61.01.00
OS Support						
Windows 2016 Server	Windows 2019 Server	RHEL 7.4	RHEL 7.6	RHEL 8	Ubuntu 16.04	Ubuntu 18.04

Broadcom 9400-8e, -16e HBA				Linux FW & Driver		Windows FW & Driver
Supported	Supported	Not Supported	Not Supported	Supported	Supported	Supported

Table 6: Broadcom 9405w-16e Interoperability Notes

Broadcom 9405w-16e HBA			Linux FW & Driver			Windows FW & Driver
BIOS			09.05.00.00_03.00.00.00			9.21.00.00
Firmware			13.00.00.00			13.00.00.00
Driver			32.00.00.00-1			2.61.01.00
OS Support						
Windows 2016 Server	Windows 2019 Server	RHEL 7.4	RHEL 7.6	RHEL 8	Ubuntu 16.04	Ubuntu 18.04
Not Supported	Not Supported	Supported	Supported	Supported	Supported	Supported

Table 7: LSI 9405w-16e Interoperability Notes

LSI 9405w-16e HBA		Linux FW & Driver	Windows FW & Driver
BIOS		08.37.00.00 (P16)	08.37.00.00 (P16)
Firmware		08.00.00.00	08.00.00.00
Driver		27.00.00.00-1	2.60.65.0
OS Support			
Windows	Windows 2012 R2 Server		Supported
	Windows 2016 R1 Server		Supported
	Windows 2019 Server		Supported
CentOS/RHEL	7.2 Kernel: 3.10.0-327		Supported
	7.3 Kernel: 3.10.0-514		Supported
	7.4 Kernel: 3.10.0-693		Supported
Ubuntu	14.04 Kernel: 3.13		Supported

LSI 9405w-16e HBA	Linux FW & Driver	Windows FW & Driver
	16.04 Kernel: 4.4	Supported

1.2 SSD Compatibility Matrix

Compatible Drives

Table 8: Compatible Drives

Drive	Type	Interface	Drive Writes	Encryptior	Volume	Part Number
Western Digital® Ultrastar® SS200 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	3DW/D	SE	400GB	1EX1083
Western Digital® Ultrastar® SS200 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	3DW/D	ISE	400GB	1EX1082
Western Digital® Ultrastar® SS200 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	1DW/D	ISE	480GB	1EX1078
Western Digital® Ultrastar® SS200 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	1DW/D	SE	480GB	1EX1079
Western Digital® Ultrastar® SS200 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	3DW/D	ISE	800GB	1EX1074
Western Digital® Ultrastar® SS200 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	3DW/D	SE	800GB	1EX1075
Western Digital® Ultrastar® SS200 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	1DW/D	ISE	960GB	1EX1076
Western Digital® Ultrastar® SS200 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	1DW/D	SE	960GB	1EX1077
Sandisk® Cloudspeed Eco II w/ 2.5 in. drive carrier	SSD	SATA 6Gb/s	1DW/D	SE	960GB	1EX0386
Western Digital® Ultrastar® SS200 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	3DW/D	ISE	1.6TB	1EX1072
Western Digital® Ultrastar® SS200 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	3DW/D	SE	1.6TB	1EX1073
Western Digital® Ultrastar® SS530 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	3DW/D	SE	1.6TB	1EX2131
Western Digital® Ultrastar® SS530 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	3DW/D	ISE	1.6TB	1EX2130
Western Digital® Ultrastar® SS530 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	3DW/D	TCG	1.6TB	1EX2132
Sandisk® Cloudspeed Eco II w/ 2.5 in. drive carrier	SSD	SATA 6Gb/s	3DW/D	SE	1.9TB	1EX0385
Western Digital® Ultrastar® SS200	SSD	SAS 12Gb/s	1DW/D	ISE	1.92TB	1EX1080

Drive	Type	Interface	Drive Writes	Encryptior	Volume	Part Number
w/ 2.5 in. drive carrier						
Western Digital® Ultrastar® SS200 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	1DW/D	SE	1.92TB	1EX1081
Western Digital® Ultrastar® SS530 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	1DW/D	SE	1.92TB	1EX2134
Western Digital® Ultrastar® SS530 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	1DW/D	ISE	1.92TB	1EX2133
Western Digital® Ultrastar® SS530 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	1DW/D	TCG	1.92TB	1EX2135
Western Digital® Ultrastar® SS200 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	3DW/D	ISE	3.2TB	1EX0187
Western Digital® Ultrastar® SS200 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	3DW/D	ISE	3.2TB	1EX0185
Western Digital® Ultrastar® SS530 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	3DW/D	SE	3.2TB	1EX2137
Western Digital® Ultrastar® SS530 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	3DW/D	ISE	3.2TB	1EX2136
Western Digital® Ultrastar® SS530 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	3DW/D	TCG	3.2TB	1EX2138
Western Digital® Ultrastar® SS200 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	1DW/D	ISE	3.84TB	1EX0186
Western Digital® Ultrastar® SS530 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	1DW/D	SE	3.84TB	1EX2140
Western Digital® Ultrastar® SS530 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	1DW/D	ISE	3.84TB	1EX2139
Western Digital® Ultrastar® SS530 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	1DW/D	TCG	3.84TB	1EX2141
Western Digital® Ultrastar® SS530 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	3DW/D	SE	6.4TB	1EX2143
Western Digital® Ultrastar® SS530 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	3DW/D	ISE	6.4TB	1EX2142
Western Digital® Ultrastar® SS530 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	3DW/D	TCG	6.4TB	1EX2144
Western Digital® Ultrastar® SS530 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	1DW/D	SE	7.68TB	1EX2146
Western Digital® Ultrastar® SS530 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	1DW/D	ISE	7.68TB	1EX2145
Western Digital® Ultrastar® SS530 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	1DW/D	TCG	7.68TB	1EX2147
Western Digital® Ultrastar® SS530	SSD	SAS 12Gb/s	1DW/D	SE	15.36TB	1EX1805

Drive	Type	Interface	Drive Writes	Encryptior	Volume	Part Number
w/ 2.5 in. drive carrier						
Western Digital® Ultrastar® SS530 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	1DW/D	ISE	15.36TB	1EX1804
Western Digital® Ultrastar® SS530 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	1DW/D	TCG	15.36TB	1EX1806
Western Digital® Ultrastar® SS540 w/ 2.5 in. drive carrier	SSD	SAS 12Gb/s	1DW/D	ISE	15.36TB	1EX2742

1.3 Notices

Western Digital Technologies, Inc. or its affiliates' (collectively "Western Digital") general policy does not recommend the use of its products in life support applications where in a failure or malfunction of the product may directly threaten life or injury. Per Western Digital Terms and Conditions of Sale, the user of Western Digital products in life support applications assumes all risk of such use and indemnifies Western Digital against all damages.

This document is for information use only and is subject to change without prior notice. Western Digital assumes no responsibility for any errors that may appear in this document, nor for incidental or consequential damages resulting from the furnishing, performance or use of this material.

Absent a written agreement signed by Western Digital or its authorized representative to the contrary, Western Digital explicitly disclaims any express and implied warranties and indemnities of any kind that may, or could, be associated with this document and related material, and any user of this document or related material agrees to such disclaimer as a precondition to receipt and usage hereof.

Each user of this document or any product referred to herein expressly waives all guaranties and warranties of any kind associated with this document any related materials or such product, whether expressed or implied, including without limitation, any implied warranty of merchantability or fitness for a particular purpose or non-infringement. Each user of this document or any product referred to herein also expressly agrees Western Digital shall not be liable for any incidental, punitive, indirect, special, or consequential damages, including without limitation physical injury or death, property damage, lost data, loss of profits or costs of procurement of substitute goods, technology, or services, arising out of or related to this document, any related materials or any product referred to herein, regardless of whether such damages are based on tort, warranty, contract, or any other legal theory, even if advised of the possibility of such damages.

This document and its contents, including diagrams, schematics, methodology, work product, and intellectual property rights described in, associated with, or implied by this document, are the sole and exclusive property of Western Digital. No intellectual property license, express or implied, is granted by Western Digital associated with the document recipient's receipt, access and/or use of this document or the products referred to herein; Western Digital retains all rights hereto.

Western Digital, the Western Digital logo, and Ultrastar are registered trademarks or trademarks of Western Digital Corporation or its affiliates in the US and/or other countries. Linux® is the registered trademark of Linus Torvalds in the U.S. and other countries. All other marks are the property of their respective owners. Product specifications subject to change without notice. Pictures shown may vary from actual products. Not all products are available in all regions of the world.

Western Digital
5601 Great Oaks Parkway
San Jose, CA 95119

© 2020 Western Digital Corporation or its affiliates. All Rights Reserved.

1.4 Points of Contact

For further assistance with a Western Digital product, contact Western Digital Datacenter Platforms technical support. Please be prepared to provide the following information: part number (P/N), serial number (S/N), product name and/or model number, and a brief description of the issue.

Email:

support@wdc.com

Website:

<https://portal.wdc.com/Support/s/>