



The Western Digital System Integration Lab tested the Ultrastar Data102 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 family, but have not been evaluated.

To use this document, click on the heading of any of the following cards 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

- LSI 9300-8e, -4i4e, -16e
- LSI 9302-16e
- LSI 9305-16e
- Adaptec 1100-8e

Drives

- Western Digital® Ultrastar® DC HC310
- Western Digital® Ultrastar® DC HC620
- Western Digital® Ultrastar® DC HC520
- Western Digital® Ultrastar® DC HC530

Cables

- Molex HD Mini-SAS to HD Mini-SAS Cable
- Amphenol HD Mini-SAS to HD Mini-SAS Cable
- CS Electronics HD Mini-SAS to HD Mini-SAS Cable
- DCS HD Mini-SAS to HD Mini-SAS Cable

1.1 HBA Compatibility Details

Table 1: Adaptec 1100-8e Interoperability Notes

Adaptec 1100-8e HBA	Linux FW & Driver	Windows FW & Driver
BIOS	N/A	N/A
Firmware	2.10[0]	2.10[0]
Driver	1.2.4.065	106.84.2.64
OS Support		
Microsoft® Windows	2012 R2 x64 Server	Supported
	2016 R1 x64 Server	Supported
	2019 R1 x64 Server	Not Supported
CentOS/RedHat® Enterprise Linux (RHEL)	7.2 (x86_64) Kernel: 3.10.0-327	Not Supported
	7.3 (x86_64) Kernel: 3.10.0-514	Not Supported
	7.4 (x86_64) Kernel: 3.10.0-693	Not Supported
	7.6 (x86_64)	Not Supported
Ubuntu® Server	14.04 Kernel: 3.13	Not Supported
	16.04 Kernel: 4.4	Not Supported
Debian	8.10	Not Supported
	9.6	Not Supported

Table 2: LSI 9300-8e, -4i4e, -16e Interoperability Notes

LSI 9300-8e, -4i4e, -16e HBA	Linux FW & Driver	Windows FW & Driver
BIOS	08.37.00.00 (P16)	08.37.00.00 (P16)
Firmware	16.00.01.00 (P16)	16.00.01.00 (P16)
Driver	26.00.00-1 (P16)	2.51.24.00 (P16)
OS Support		

LSI 9300-8e, -4i4e, -16e HBA	Linux FW & Driver	Windows FW & Driver
Microsoft® Windows	2012 R2 x64 Server	Supported
	2016 R1 x64 Server	Supported
	2019 R1 x64 Server	Supported
CentOS/RedHat® Enterprise Linux (RHEL)	7.2 (x86_64) Kernel: 3.10.0-327	Supported
	7.3 (x86_64) Kernel: 3.10.0-514	Supported
	7.4 (x86_64) Kernel: 3.10.0-693	Supported
	7.6 (x86_64)	Supported
Ubuntu® Server	14.04 Kernel: 3.13	Supported
	16.04 Kernel: 4.4	Supported
Debian	8.10	Supported
	9.6	Supported

Table 3: LSI 9302-16e Interoperability Notes

LSI 9302-16e HBA	Linux FW & Driver	Windows FW & Driver
BIOS	08.37.00.00 (P16)	08.37.00.00 (P16)
Firmware	16.00.01.00 (P16)	16.00.01.00 (P16)
Driver	26.00.00-1 (P16)	2.51.24.00 (P16)
OS Support		
Microsoft® Windows	2012 R2 x64 Server	Supported
	2016 R1 x64 Server	Supported
	2019 R1 x64 Server	Supported
CentOS/RedHat® Enterprise Linux (RHEL)	7.2 (x86_64) Kernel: 3.10.0-327	Supported
	7.3 (x86_64) Kernel: 3.10.0-514	Supported

LSI 9302-16e HBA	Linux FW & Driver	Windows FW & Driver
Ubuntu® Server	7.4 (x86_64) Kernel: 3.10.0-693	Supported
	7.6 (x86_64)	Supported
	14.04 Kernel: 3.13	Supported
	16.04 Kernel: 4.4	Supported
Debian	8.10	Not Supported
	9.6	Not Supported

Table 4: LSI 9305-16e Interoperability Notes

LSI 9305-16e HBA	Linux FW & Driver	Windows FW & Driver
BIOS	08.37.00.00 (P16)	08.37.00.00 (P16)
Firmware	16.00.01.00 (P16)	16.00.01.00 (P16)
Driver	26.00.00-1 (P16)	2.51.24.00 (P16)
OS Support		
Microsoft® Windows	2012 R2 x64 Server	Supported
	2016 R1 x64 Server	Supported
	2019 R1 x64 Server	Supported
CentOS/RedHat® Enterprise Linux (RHEL)	7.2 (x86_64) Kernel: 3.10.0-327	Supported
	7.3 (x86_64) Kernel: 3.10.0-514	Supported
	7.4 (x86_64) Kernel: 3.10.0-693	Supported
	7.6 (x86_64)	Supported
Ubuntu® Server	14.04 Kernel: 3.13	Supported
	16.04 Kernel: 4.4	Supported
Debian	8.10	Not Supported

LSI 9305-16e HBA	Linux FW & Driver	Windows FW & Driver
	9.6	Not Supported

Table 5: LSI MegaRAID 9380-8e Interoperability Notes

LSI MegaRAID 9380-8e HBA	Linux FW & Driver	Windows FW & Driver
BIOS	N/A	N/A
Firmware	24.21.0-0025	24.21.0-0025
Driver	07.708.03.00-2	06.714.18.00
OS Support		
Microsoft® Windows	2012 R2 x64 Server	Supported, No Zoning Support
	2016 R1 x64 Server	Supported, No Zoning Support
	2019 R1 x64 Server	Supported, No Zoning Support
CentOS/RedHat® Enterprise Linux (RHEL)	7.2 (x86_64) Kernel: 3.10.0-327	Supported, No Zoning Support
	7.3 (x86_64) Kernel: 3.10.0-514	Supported, No Zoning Support
	7.4 (x86_64) Kernel: 3.10.0-693	Supported, No Zoning Support
	7.6 (x86_64)	Supported, No Zoning Support
Ubuntu® Server	14.04 Kernel: 3.13	Supported, No Zoning Support
	16.04 Kernel: 4.4	Supported, No Zoning Support
Debian	8.10	Not Supported
	9.6	Not Supported

Table 6: LSI MegaRAID 9480-8i8e Interoperability Notes

LSI MegaRAID 9480-8i8e HBA	Linux FW & Driver	Windows FW & Driver
BIOS	N/A	N/A
Firmware	50.9.0-2165	50.7.0-1614 (MR 7.7)
Driver	07.708.03.00-2	07.709.13.00

LSI MegaRAID 9480-8i8e HBA	Linux FW & Driver	Windows FW & Driver
OS Support		
Microsoft® Windows	2012 R2 x64 Server	Supported, No Zoning Support
	2016 R1 x64 Server	Supported, No Zoning Support
	2019 R1 x64 Server	Supported, No Zoning Support
CentOS/RedHat® Enterprise Linux (RHEL)	7.2 (x86_64) Kernel: 3.10.0-327	Supported, No Zoning Support
	7.3 (x86_64) Kernel: 3.10.0-514	Supported, No Zoning Support
	7.4 (x86_64) Kernel: 3.10.0-693	Supported, No Zoning Support
	7.6 (x86_64)	Supported, No Zoning Support
Ubuntu® Server	14.04 Kernel: 3.13	Supported, No Zoning Support
	16.04 Kernel: 4.4	Supported, No Zoning Support
Ubuntu® Server	8.10	Not Supported
	9.6	Not Supported

Table 7: LSI 9400-16e, -8i8e, -8e Interoperability Notes

LSI 9400-16e, -8i8e, -8e HBA	Linux FW & Driver	Windows FW & Driver
BIOS	08.37.00.00 (P16)	08.37.00.00 (P16)
Firmware	10.00.00.00	10.00.00.00
Driver	29.00.00.00-1	2.60.78.00
OS Support		
Microsoft® Windows	2012 R2 x64 Server	Supported, No Zoning Support
	2016 R1 x64 Server	Supported, No Zoning Support
	2019 R1 x64 Server	Supported, No Zoning Support
CentOS/RedHat® Enterprise Linux (RHEL)	7.2 (x86_64) Kernel: 3.10.0-327	Supported, No Zoning Support

LSI 9400-16e, -8i8e, -8e HBA	Linux FW & Driver	Windows FW & Driver
	7.3 (x86_64) Kernel: 3.10.0-514	Supported, No Zoning Support
	7.4 (x86_64) Kernel: 3.10.0-693	Supported, No Zoning Support
	7.6 (x86_64)	Supported, No Zoning Support
Ubuntu® Server	14.04 Kernel: 3.13	Supported, No Zoning Support
	16.04 Kernel: 4.4	Supported, No Zoning Support
Debian	8.10	Not Supported
	9.6	Not Supported

Table 8: 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	10.00.00.00	10.00.00.00
Driver	29.00.00.00-1	2.60.78.00
OS Support		
Microsoft® Windows	2012 R2 x64 Server	Supported
	2016 R1 x64 Server	Supported
	2019 R1 x64 Server	Supported
CentOS/RedHat® Enterprise Linux (RHEL)	7.2 (x86_64) Kernel: 3.10.0-327	Supported
	7.3 (x86_64) Kernel: 3.10.0-514	Supported
	7.4 (x86_64) Kernel: 3.10.0-693	Supported
	7.6 (x86_64)	Supported
Ubuntu® Server	14.04 Kernel: 3.13	Not Supported
	16.04 Kernel: 4.4	Not Supported

LSI 9405w-16e HBA	Linux FW & Driver	Windows FW & Driver
Debian	8.10	Not Supported
	9.6	Not Supported

1.2 List of Compatible Drives

Compatible Drives

Table 9: HDD w/ 3.5 in drive carrier

Drive	Type	Interface	Sector Size	Encryption	Volume	Part Number
Western Digital® Ultrastar® DC HC310 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	SE	4TB	1EX1993
Western Digital® Ultrastar® DC HC310 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	TCG	4TB	1EX2177
Western Digital® Ultrastar® DC HC310 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	TCG-FIPS	4TB	1EX2178
Western Digital® Ultrastar® DC HC310 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	SE	4TB	1EX2179
Western Digital® Ultrastar® DC HC310 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	TCG	4TB	1EX2180
Western Digital® Ultrastar® DC HC310 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	TCG-FIPS	4TB	1EX2181
Western Digital® Ultrastar® DC HC310 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	SE	6TB	1EX1183
Western Digital® Ultrastar® DC HC310 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	TCG	6TB	1EX1182

Drive	Type	Interface	Sector Size	Encryption	Volume	Part Number
Western Digital® Ultrastar® DC HC310 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	TCG-FIPS	6TB	1EX1852
Western Digital® Ultrastar® DC HC310 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	SE	6TB	1EX1185
Western Digital® Ultrastar® DC HC310 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	TCG	6TB	1EX1184
Western Digital® Ultrastar® DC HC310 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	TCG-FIPS	6TB	1EX1853
Western Digital® Ultrastar® DC HC310 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	4Kn	SE	6TB	1EX1187
Western Digital® Ultrastar® DC HC310 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	4Kn	TCG	6TB	1EX1186
Western Digital® Ultrastar® DC HC310 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	512e	SE	6TB	1EX1189
Western Digital® Ultrastar® DC HC310 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	512e	TCG	6TB	1EX1188
Western Digital® Ultrastar® DC HC320 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	SE	8TB	1EX1221
Western Digital® Ultrastar® DC HC320 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	TCG	8TB	1EX1220
Western Digital® Ultrastar® DC HC320 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	TCG-FIPS	8TB	1EX1342

Drive	Type	Interface	Sector Size	Encryption	Volume	Part Number
Western Digital® Ultrastar® DC HC320 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	SE	8TB	1EX1223
Western Digital® Ultrastar® DC HC320 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	TCG	8TB	1EX1222
Western Digital® Ultrastar® DC HC320 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	TCG-FIPS	8TB	1EX1343
Western Digital® Ultrastar® DC HC320 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	4Kn	SE	8TB	1EX1225
Western Digital® Ultrastar® DC HC320 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	4Kn	TCG	8TB	1EX1224
Western Digital® Ultrastar® DC HC320 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	512e	SE	8TB	1EX1227
Western Digital® Ultrastar® DC HC320 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	512e	SED	8TB	1EX1226
Western Digital® Ultrastar® DC HC330 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	SE	10TB	1EX2432
Western Digital® Ultrastar® DC HC330 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	TCG	10TB	1EX2433
Western Digital® Ultrastar® DC HC330 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	TCG-FIPS	10TB	1EX2434
Western Digital® Ultrastar® DC HC330 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	SE	10TB	1EX2435

Drive	Type	Interface	Sector Size	Encryption	Volume	Part Number
Western Digital® Ultrastar® DC HC330 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	TCG	10TB	1EX2436
Western Digital® Ultrastar® DC HC330 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	TCG-FIPS	10TB	1EX2437
Western Digital® Ultrastar® DC HC330 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	4Kn	SE	10TB	1EX2438
Western Digital® Ultrastar® DC HC330 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	4Kn	SED	10TB	1EX2439
Western Digital® Ultrastar® DC HC330 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	512e	SE	10TB	1EX2440
Western Digital® Ultrastar® DC HC330 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	512e	SED	10TB	1EX2441
Western Digital® Ultrastar® DC HC510 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	ISE	10TB	1EX0482
Western Digital® Ultrastar® DC HC510 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	SE	10TB	1EX0484
Western Digital® Ultrastar® DC HC510 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	TCG	10TB	1EX0483
Western Digital® Ultrastar® DC HC510 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	TCG-FIPS	10TB	1EX1340
Western Digital® Ultrastar® DC HC510 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	ISE	10TB	1EX0485

Drive	Type	Interface	Sector Size	Encryption	Volume	Part Number
Western Digital® Ultrastar® DC HC510 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	SE	10TB	1EX0487
Western Digital® Ultrastar® DC HC510 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	TCG	10TB	1EX0486
Western Digital® Ultrastar® DC HC510 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	TCG-FIPS	10TB	1EX1341
Western Digital® Ultrastar® DC HC510 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	4Kn	ISE	10TB	1EX0494
Western Digital® Ultrastar® DC HC510 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	4Kn	SE	10TB	1EX0496
Western Digital® Ultrastar® DC HC510 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	4Kn	SED	10TB	1EX0495
Western Digital® Ultrastar® DC HC510 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	512e	ISE	10TB	1EX0497
Western Digital® Ultrastar® DC HC510 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	512e	SE	10TB	1EX0499
Western Digital® Ultrastar® DC HC510 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	512e	SED	10TB	1EX0498
Western Digital® Ultrastar® DC HC520 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	ISE	12TB	1EX1004
Western Digital® Ultrastar® DC HC520 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	SE	12TB	1EX1006

Drive	Type	Interface	Sector Size	Encryption	Volume	Part Number
Western Digital® Ultrastar® DC HC520 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	TCG	12TB	1EX1005
Western Digital® Ultrastar® DC HC520 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	TCG-FIPS	12TB	1EX1339
Western Digital® Ultrastar® DC HC520 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	ISE	12TB	1EX1007
Western Digital® Ultrastar® DC HC520 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	SE	12TB	1EX1009
Western Digital® Ultrastar® DC HC520 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	TCG	12TB	1EX1008
Western Digital® Ultrastar® DC HC520 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	TCG-FIPS	12TB	1EX1338
Western Digital® Ultrastar® DC HC520 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	4Kn	ISE	12TB	1EX1010
Western Digital® Ultrastar® DC HC520 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	4Kn	SE	12TB	1EX1012
Western Digital® Ultrastar® DC HC520 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	4Kn	SED	12TB	1EX1011
Western Digital® Ultrastar® DC HC520 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	512e	ISE	12TB	1EX1013
Western Digital® Ultrastar® DC HC520 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	512e	SE	12TB	1EX1015

Drive	Type	Interface	Sector Size	Encryption	Volume	Part Number
Western Digital® Ultrastar® DC HC520 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	512e	SED	12TB	1EX1014
Western Digital® Ultrastar® DC HC530 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	SE	14TB	1EX1788
Western Digital® Ultrastar® DC HC530 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	TCG	14TB	1EX1789
Western Digital® Ultrastar® DC HC530 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	TCG-FIPS	14TB	1EX1854
Western Digital® Ultrastar® DC HC530 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	SE	14TB	1EX1791
Western Digital® Ultrastar® DC HC530 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	ISE	14TB	1EX1583
Western Digital® Ultrastar® DC HC530 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	TCG	14TB	1EX1792
Western Digital® Ultrastar® DC HC530 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	TCG-FIPS	14TB	1EX1855
Western Digital® Ultrastar® DC HC530 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	4Kn	SE	14TB	1EX1790
Western Digital® Ultrastar® DC HC530 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	512e	SE	14TB	1EX1793
Western Digital® Ultrastar® DC HC530 w/ 3.5 in. drive carrier	HDD	SATA 6Gb/s	512e	SED	14TB	1EX1794

Drive	Type	Interface	Sector Size	Encryption	Volume	Part Number
Western Digital® Ultrastar® DC HC620 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	ISE SMR-HM	14TB	1EX1604
Western Digital® Ultrastar® DC HC620 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	SE SMR-HM	14TB	1EX1884
Western Digital® Ultrastar® DC HC620 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	ISE SMR-HM	14TB	1EX1885
Western Digital® Ultrastar® DC HC620 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	SE SMR-HM	14TB	1EX1886
Western Digital® Ultrastar® DC HC620 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	ISE SMR-HM	14TB	1EX1887
Western Digital® Ultrastar® DC HC620 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	4Kn	ISE SMR-HM	15TB	1EX1857
Western Digital® Ultrastar® DC HC620 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	SE SMR-HM	15TB	1EX2152
Western Digital® Ultrastar® DC HC620 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	SE SMR-HM	15TB	1EX2153
Western Digital® Ultrastar® DC HC620 w/ 3.5 in. drive carrier	HDD	SAS 12Gb/s	512e	ISE SMR-HM	15TB	1EX2154

Table 10: SSD w/ 3.5 in to 2.5 in drive carrier

Drive	Type	Interface	Drive Writes	Encryption	Volume	Part Number
Western Digital® Ultrastar® SS200 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-3DW/D	ISE	400GB	1EX1291
Western Digital®	SSD	SAS 12Gb/s	RI-3DW/D	SE	400GB	1EX1293

Drive	Type	Interface	Drive Writes	Encryption	Volume	Part Number
Western Digital® Ultrastar® SS200 w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS200 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-3DW/D	TCG	400GB	1EX1315
Western Digital® Ultrastar® SS200 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-3DW/D	TCG-FIPS	400GB	1EX1481
Western Digital® Ultrastar® SS300 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	ME-10DW/D	ISE	400GB	1EX1287
Western Digital® Ultrastar® SS300 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	ME-10DW/D	SE	400GB	1EX1289
Western Digital® Ultrastar® SS300 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	ME-10DW/D	TCG	400GB	1EX1312
Western Digital® Ultrastar® SS300 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	ME-10DW/D	TCG-FIPS	400GB	1EX1479
Western Digital® Ultrastar® SS300 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-3DW/D	ISE	400GB	1EX1296
Western Digital® Ultrastar® SS300 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-3DW/D	SE	400GB	1EX1298
Western Digital® Ultrastar® SS300 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-3DW/D	TCG	400GB	1EX1309
Sandisk® Cloudspeed Ultra Gen. II w/ 3.5 in to 2.5 in drive carrier	SSD	SATA 6Gb/s	RI-1.8DW/D	SE	400GB	1EX1294
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-3DW/D	SE	400GB	1EX2020
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-3DW/D	ISE	400GB	1EX2021
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-3DW/D	TCG	400GB	1EX2087
Western Digital® Ultrastar® SS530	SSD	SAS 12Gb/s	ME-10DW/D	SE	400GB	1EX2012

Drive	Type	Interface	Drive Writes	Encryption	Volume	Part Number
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS530	SSD	SAS 12Gb/s	ME-10DW/D	ISE	400GB	1EX2013
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS530	SSD	SAS 12Gb/s	ME-10DW/D	TCG	400GB	1EX2083
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS200	SSD	SAS 12Gb/s	RI-1DW/D	TCG	480GB	1EX1318
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS530	SSD	SAS 12Gb/s	RI-1DW/D	SE	480GB	1EX2030
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS530	SSD	SAS 12Gb/s	RI-1DW/D	ISE	480GB	1EX2031
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS530	SSD	SAS 12Gb/s	RI-1DW/D	TCG	480GB	1EX2092
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS200	SSD	SAS 12Gb/s	RI-3DW/D	ISE	800GB	1EX1290
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS200	SSD	SAS 12Gb/s	RI-3DW/D	SE	800GB	1EX1292
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS200	SSD	SAS 12Gb/s	RI-3DW/D	TCG	800GB	1EX1314
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS300	SSD	SAS 12Gb/s	RI-3DW/D	ISE	800GB	1EX1295
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS300	SSD	SAS 12Gb/s	RI-3DW/D	SE	800GB	1EX1297
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS300	SSD	SAS 12Gb/s	RI-3DW/D	TCG	800GB	1EX1308
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS300	SSD	SAS 12Gb/s	RI-3DW/D	TCG-FIPS	800GB	1EX1480
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS300	SSD	SAS 12Gb/s	ME-10DW/D	ISE	800GB	1EX1286
w/ 3.5 in to 2.5 in drive carrier						

Drive	Type	Interface	Drive Writes	Encryption	Volume	Part Number
Western Digital® Ultrastar® SS300 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	ME-10DW/D	SE	800GB	1EX1288
Western Digital® Ultrastar® SS300 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	ME-10DW/D	TCG	800GB	1EX1311
Western Digital® Ultrastar® SS300 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	ME-10DW/D	TCG-FIPS	800GB	1EX1478
Sandisk® Cloudspeed Ultra Gen. II w/ 3.5 in to 2.5 in drive carrier	SSD	SATA 6Gb/s	RI-1.8DW/D	SE	800GB	1EX1305
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-3DW/D	SE	800GB	1EX2022
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-3DW/D	ISE	800GB	1EX2023
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-3DW/D	TCG	800GB	1EX2088
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	ME-10DW/D	SE	800GB	1EX2014
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	ME-10DW/D	ISE	800GB	1EX2015
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	ME-10DW/D	TCG	800GB	1EX2084
Western Digital® Ultrastar® SS200 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-1DW/D	TCG	960GB	1EX1317
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-1DW/D	SE	960GB	1EX2032
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-1DW/D	ISE	960GB	1EX2033
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-1DW/D	TCG	960GB	1EX2093
Western Digital®	SSD	SAS 12Gb/s	RI-3DW/D	ISE	1.6TB	1EX1303

Drive	Type	Interface	Drive Writes	Encryption	Volume	Part Number
Western Digital® Ultrastar® SS200 w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS200 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-3DW/D	SE	1.6TB	1EX1304
Western Digital® Ultrastar® SS200 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-3DW/D	TCG	1.6TB	1EX1313
Western Digital® Ultrastar® SS300 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-3DW/D	ISE	1.6TB	1EX1299
Western Digital® Ultrastar® SS300 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-3DW/D	SE	1.6TB	1EX1300
Western Digital® Ultrastar® SS300 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-3DW/D	TCG	1.6TB	1EX1307
Western Digital® Ultrastar® SS300 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-3DW/D	TCG-FIPS	1.6TB	1EX1787
Western Digital® Ultrastar® SS300 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-10DW/D	ISE	1.6TB	1EX1301
Western Digital® Ultrastar® SS300 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-10DW/D	SE	1.6TB	1EX1302
Western Digital® Ultrastar® SS300 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-10DW/D	TCG	1.6TB	1EX1310
Western Digital® Ultrastar® SS300 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	ME-10DW/D	TCG-FIPS	1.6TB	1EX1786
Sandisk® Cloudspeed Ultra Gen. II w/ 3.5 in to 2.5 in drive carrier	SSD	SATA 6Gb/s	RI-1.8DW/D	SE	1.6TB	1EX1319
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-3DW/D	SE	1.6TB	1EX2024
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-3DW/D	ISE	1.6TB	1EX2025
Western Digital® Ultrastar® SS530	SSD	SAS 12Gb/s	RI-3DW/D	TCG	1.6TB	1EX2089

Drive	Type	Interface	Drive Writes	Encryption	Volume	Part Number
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS530	SSD	SAS 12Gb/s	ME-10DW/D	SE	1.6TB	1EX2016
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS530	SSD	SAS 12Gb/s	ME-10DW/D	ISE	1.6TB	1EX2017
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS530	SSD	SAS 12Gb/s	ME-10DW/D	TCG	1.6TB	1EX2085
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS200	SSD	SAS 12Gb/s	RI-1DW/D	TCG	1.92TB	1EX1316
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS530	SSD	SAS 12Gb/s	RI-1DW/D	SE	1.92TB	1EX2034
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS530	SSD	SAS 12Gb/s	RI-1DW/D	ISE	1.92TB	1EX2035
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS530	SSD	SAS 12Gb/s	RI-1DW/D	TCG	1.92TB	1EX2094
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS200	SSD	SAS 12Gb/s	RI-3DW/D	ISE	3.2TB	1EX0578
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS300	SSD	SAS 12Gb/s	RI-3DW/D	ISE	3.2TB	1EX1285
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS300	SSD	SAS 12Gb/s	RI-3DW/D	SE	3.2TB	1EX1306
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS530	SSD	SAS 12Gb/s	RI-3DW/D	SE	3.2TB	1EX2026
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS530	SSD	SAS 12Gb/s	RI-3DW/D	ISE	3.2TB	1EX2027
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS530	SSD	SAS 12Gb/s	RI-3DW/D	TCG	3.2TB	1EX2090
w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS530	SSD	SAS 12Gb/s	ME-10DW/D	SE	3.2TB	1EX2018
w/ 3.5 in to 2.5 in drive carrier						

Drive	Type	Interface	Drive Writes	Encryption	Volume	Part Number
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	ME-10DW/D	ISE	3.2TB	1EX2019
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	ME-10DW/D	TCG	3.2TB	1EX2086
Western Digital® Ultrastar® SS200 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-1DW/D	ISE	3.84TB	1EX0579
Western Digital® Ultrastar® SS200 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-1DW/D	ISE	3.84TB	1EX0579
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-1DW/D	SE	3.84TB	1EX2036
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-1DW/D	ISE	3.84TB	1EX2037
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-1DW/D	TCG	3.84TB	1EX2095
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-3DW/D	SE	6.4TB	1EX2028
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-3DW/D	ISE	6.4TB	1EX2029
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-3DW/D	TCG	6.4TB	1EX2091
Western Digital® Ultrastar® SS200 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-1DW/D	SE	7.68TB	1EX0580
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-1DW/D	SE	7.68TB	1EX2038
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-1DW/D	ISE	7.68TB	1EX2039
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-1DW/D	TCG	7.68TB	1EX2096
Western Digital®	SSD	SAS 12Gb/s	RI-1DW/D	SE	15.36TB	1EX2040

Drive	Type	Interface	Drive Writes	Encryption	Volume	Part Number
Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier						
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-1DW/D	ISE	15.36TB	1EX2041
Western Digital® Ultrastar® SS530 w/ 3.5 in to 2.5 in drive carrier	SSD	SAS 12Gb/s	RI-1DW/D	TCG	15.36TB	1EX2097

1.3 Cable Compatibility Matrix

Compatible Cables

Manufacturer & Model	Vendor Part Number	Type	Length
Molex HD Mini-SAS to HD Mini-SAS Cable *	106415-21xx	Active	Variable
Amphenol HD Mini-SAS to HD Mini-SAS Cable	601760006	Passive	2m
Amphenol HD Mini-SAS to HD Mini-SAS Cable	601760006-02	Passive	2m
CS Electronics HD Mini-SAS to HD Mini-SAS Cable	12G-HD-4444/2M	Passive	2m
DCS HD Mini-SAS to HD Mini-SAS Cable	C5555-2M	Passive	2m
FCI HD Mini-SAS to HD Mini-SAS Cable	10117949-2020LF	Passive	2m
Molex HD Mini-SAS to HD Mini-SAS Cable	1110751002	Passive	2m
TMC HD Mini-SAS to HD Mini-SAS Cable	C5555-2M	Passive	2m
Amphenol HD Mini-SAS to HD Mini-SAS Cable	601760008	Passive	3m
CS Electronics HD Mini-SAS to HD Mini-SAS Cable	12G-HD-4444-3M	Passive	3m
FCI HD Mini-SAS to HD Mini-SAS Cable	10117949-3030LF	Passive	3m
Molex HD Mini-SAS to HD Mini-SAS Cable	1110751003	Passive	3m
FCI HD Mini-SAS to HD Mini-SAS Cable	10112041-2010LF (1m) 10112041-2020LF (2m) 10112041-2030LF (3m)	Passive	1m, 2m, 3m

* Active Cables can be used for both direct and daisy-chain connections. xx represents the length of the cable and can be replaced by length of cable in meters; preceding numbers are the qualified cable family.

1.4 Supported SKUs Details

Part Number	Details
1ES1135	SE4U102-102 612TB nTAA SAS 4KN SE
1ES1134	SE4U102-102 612TB nTAA SAS 4KN TCG
1ES1142	SE4U102-102 612TB nTAA SAS 512E SE
1ES1141	SE4U102-102 612TB nTAA SAS 512E TCG
1ES1144	SE4U102-102 612TB nTAA SNGL SATA 4KN SE
1ES1143	SE4U102-102 612TB nTAA SNGL SATA 4KN SED
1ES1146	SE4U102-102 612TB nTAA SNGL SATA 512E SE
1ES1145	SE4U102-102 612TB nTAA SNGL SATA 512E SED
1ES1219	SE4U102-102 816TB nTAA SAS 4KN SE
1ES1218	SE4U102-102 816TB nTAA SAS 4KN TCG
1ES1221	SE4U102-102 816TB nTAA SAS 512E SE
1ES1220	SE4U102-102 816TB nTAA SAS 512E TCG
1ES1223	SE4U102-102 816TB nTAA SNGL SATA 4KN SE
1ES1222	SE4U102-102 816TB nTAA SNGL SATA 4KN SED
1ES1225	SE4U102-102 816TB nTAA SNGL SATA 512E SE
1ES1224	SE4U102-102 816TB nTAA SNGL SATA 512E SED
1ES0294	SE4U102-102 1020TB nTAA He SAS 4KN ISE
1ES0296	SE4U102-102 1020TB nTAA He SAS 4KN SE
1ES0295	SE4U102-102 1020TB nTAA He SAS 4KN TCG
1ES0297	SE4U102-102 1020TB nTAA He SAS 512E ISE
1ES0299	SE4U102-102 1020TB nTAA He SAS 512E SE
1ES0298	SE4U102-102 1020TB nTAA He SAS 512E TCG
1ES0300	SE4U102-102 1020TB nTAA He SNGL SATA 4KN ISE
1ES0302	SE4U102-102 1020TB nTAA He SNGL SATA 4KN SE
1ES0301	SE4U102-102 1020TB nTAA He SNGL SATA 4KN SED
1ES0303	SE4U102-102 1020TB nTAA He SNGL SATA 512E ISE
1ES0305	SE4U102-102 1020TB nTAA He SNGL SATA 512E SE
1ES0304	SE4U102-102 1020TB nTAA He SNGL SATA 512E SED
1ES0306	SE4U102-102 1224TB nTAA He SAS 4KN ISE
1ES0308	SE4U102-102 1224TB nTAA He SAS 4KN SE
1ES0307	SE4U102-102 1224TB nTAA He SAS 4KN TCG
1ES0309	SE4U102-102 1224TB nTAA He SAS 512E ISE
1ES0311	SE4U102-102 1224TB nTAA He SAS 512E SE

Part Number	Details
1ES0310	SE4U102-102 1224TB nTAA He SAS 512E TCG
1ES0312	SE4U102-102 1224TB nTAA He SNGL SATA 4KN ISE
1ES0314	SE4U102-102 1224TB nTAA He SNGL SATA 4KN SE
1ES0313	SE4U102-102 1224TB nTAA He SNGL SATA 4KN SED
1ES0315	SE4U102-102 1224TB nTAA He SNGL SATA 512E ISE
1ES0317	SE4U102-102 1224TB nTAA He SNGL SATA 512E SE
1ES0316	SE4U102-102 1224TB nTAA He SNGL SATA 512E SED
1ES1447	SE4U102-102 1428TB nTAA He SAS 4KN SE
1ES1448	SE4U102-102 1428TB nTAA He SAS 4KN TCG
1ES1450	SE4U102-102 1428TB nTAA He SAS 512E SE
1ES1451	SE4U102-102 1428TB nTAA He SAS 512E TCG
1ES1449	SE4U102-102 1428TB nTAA He SNGL SATA 4KN SE
1ES1452	SE4U102-102 1428TB nTAA He SNGL SATA 512E SE
1ES1453	SE4U102-102 1428TB nTAA He SNGL SATA 512E SED

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