

* Microchip is committed to providing customers with a stable product that offers both, high performance and high reliability. Enterprise class hard drives and SSDs should always be used on an enterprise class system. Desktop or consumer class drives should not be used due to faster wear-out, I/O timeout incompatibilities, lower tolerances for vibration, and a lack of end-to-end data error detection and correction.

Hard drive and SSD manufacturers develop drives to meet specific customer requirements for reliability, capacity, and performance. Using drives outside of their intended application can negatively impact server productivity and data reliability. Please contact the drive manufacturer regarding usage guidelines.

Drives highlighted in green are tested at Microchip. Additional models from the same hard disk series are listed as a convenience and should be fully compatible by family association. (There could be additional family members not listed.)

***SED**

Adaptec supports passive SED on HBAs and in HBA mode per the drive manufacturer specifications.

Please reference ASK article 17508 at <https://ask.adaptec.com>

for more information.

NVMe SOLID STATE DRIVES (SSDs)

Manufacturer	PCIe Interface	Family	Category *	Model	FW Revision (or later)	Capacity	Interface Type	SED*
INSPUR	PCIe 3.x NVMe	NS6510 Series	Enterprise	NS6510G1U192	96	1.92 TB	4x 8.0 GT/s	
				NS6510G1U384	96	3.84 TB	4x 8.0 GT/s	
INSPUR	PCEe 3.x NVMe	NS8500 Series	Enterprise	NS8500G1U192	91	1.92 TB	4x 8.0 GT/s	
				NS8500G1U384		3.84 TB	4x 8.0 GT/s	
				NS8500G1U768		7.68 TB	4x 8.0 GT/s	
INSPUR	PCEe 3.x NVMe	NS8600 Series	Enterprise	NS8600G1U320	91	3.2 TB	4x 8.0 GT/s	
				NS8600G1U160		1.6 TB	4x 8.0 GT/s	
				NS8600G1U640		6.4 TB	4x 8.0 GT/s	
Intel	PCIe 3.x NVMe	OPTANE P4800X	Datacenter	INTEL SSD PE21K750GA01	485	750 GB	4x 8.0 GT/s	
				INTEL SSD PE21K375GA01		375 GB	4x 8.0 GT/s	
				INTEL SSD PE21K015TA01		1.5 TB	4x 8.0 GT/s	
Intel	PCIe 3.x NVMe	OPTANE P4801X	Datacenter	INTEL SSD PE21K100GA01	485	100 GB	4x 8.0 GT/s	
Intel	PCEe 3.x NVMe	P4510 Series	Datacenter	INTEL SSD PE2KX010T8	170	1.0 TB	4x 8.0 GT/s	
				model required		500 GB	4x 8.0 GT/s	
				INTEL SSD PE2KX020T8		2.0 TB	4x 8.0 GT/s	
				INTEL SSD PE2KX040T8		4.0 TB	4x 8.0 GT/s	
INTEL	PCIe 4.x NVMe	OPTANE P5800X Series	Datacenter	INTEL SSDPF21G800GB	L0310100	800 GB	4x 16.0 GT/s	
				INTEL SSDPF21Q016TB		1.6 TB	4x 16.0 GT/s	
				INTEL SSDPF21Q400GB		400 GB	4x 16.0 GT/s	
KINGSTON	PCEe 3.x NVMe	DM1000M Series	Datacenter	Kingston SEDC1000M/960G	115	1.0 TB	4x 8.0 GT/s	

				Kingston SEDC1000M/1920G		1.92 TB	4x 8.0 GT/s	
				Kingston SEDC1000M/3840G		3.84 TB	4x 8.0 GT/s	
				Kingston SEDC1000M/7680G		7.68 TB	4x 8.0 GT/s	
KIOXIA	PCEe 3.x NVMe	CD5 Series	Datacenter	KIOXIA KCD51LUG1T92 - PN SDFPF05GEA01	108	1.92 TB	4x 8.0 GT/s	
				KIOXIA KCD51LUG960G		960 GB	4x 8.0 GT/s	
				KIOXIA KCD51LUG3T84		3.84 TB	4x 8.0 GT/s	
				KIOXIA KCD51LUG7T68		7.68 TB	4x 8.0 GT/s	
KIOXIA	PCEe 3.x NVMe	CM5 Series	Enterprise	KIOXIA KCM51RUG3T84 - PN SDFME04GEA01	107	3.84 TB	4x 8.0 GT/s	
				KIOXIA KCM51RUG960G		960 GB	4x 8.0 GT/s	
				KIOXIA KCM51RUG1T92		1.92 TB	4x 8.0 GT/s	
				KIOXIA KCM51RUG7T68		7.68 TB	4x 8.0 GT/s	
				KIOXIA KCM51RUG15T3		15.33 TB	4x 8.0 GT/s	
KIOXIA	PCEe 4.x NVMe	CD6-V Series	Datacenter	KIOXIA KCD61VUL6T40 - PN SDFSV03GEA02T	102	6.4 TB	4x 16.0 GT/s	
				KIOXIA KCD61VUL800G		800 GB	4x 16.0 GT/s	
				KIOXIA KCD61VUL1T60		1.6 TB	4x 16.0 GT/s	
				KIOXIA KCD61VUL3T20		3.2 TB	4x 16.0 GT/s	
				KIOXIA KCD61VUL12T8		12.8 TB	4x 16.0 GT/s	
KIOXIA	PCEe 4.x NVMe	CM6-V Series	Enterprise	KIOXIA KCM61VUL3T20 - PN SDFHQ04GEA02T	102	3.2 TB	4x 16.0 GT/s	
				KIOXIA KCM61VUL800G	102	800 GB	4x 16.0 GT/s	
				KIOXIA KCM61VUL1T60	102	1.6 TB	4x 16.0 GT/s	
				KIOXIA KCM61VUL6T40	102	6.4 TB	4x 16.0 GT/s	
				KIOXIA KCM61VUL12T2	102	12.8 TB	4x 16.0 GT/s	
KIOXIA	PCEe 3.x NVMe	XD5 Series	Datacenter	KIOXIA KXD51RUE1T92	1CEE61111	1.92 TB	4x 8.0 GT/s	
				KIOXIA KXD51RUE960G		960 GB	4x 8.0 GT/s	
				KIOXIA KXD51RUE3T84		3.84 TB	4x 8.0 GT/s	
WDC	PCIe 3.x NVMe	DC SN840 Series	Datacenter	WDC WUS4C6416DSP3X1 - PN 0TS1874	R2209200	1.6 TB	4x 8.0 GT/s	
				WDC WUS4C6432DSP3X1 - PN 0TS1876		3.2 TB	4x 8.0 GT/s	
				WDC WUS4C6464DSP3X1 - PN 0TS1878		6.4 TB	4x 8.0 GT/s	

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