

Supported SSD and Compatibility List

Select Recommended Drives for OneBlox 5210 and OneXafe 5410

StorageCraft enables IT organizations to utilize select SSDs, purchased at retail prices, with OneBlox 5210 and OneXafe 5410. However, not all SSDs on the market perform the same or have the necessary reliability. Only the SSDs listed below are supported with OneBlox 5210 and OneXafe 5410.

There are a variety of factors that influence the selection of the appropriate SSD. Factors to consider: A few things to note:

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- Performance. Are the applications IOPS intensive or throughput intensive?
- I/O patterns. What is the read/write ratio of the applications? This will impact the DDPD (drive writes per day) and the required SSD durability
- Durability. TLC (Triple-Layer Cell) or MLC (Multi-layer Cell) media have different over provisioning and reliability levels
- Usable capacity. Consider failure domains within OneBlox and cluster as well as storage density
- Cost. The variance in cost between SSD types is smaller when procuring SSDs at retail pricing.

Below is a list of the supported SSDs with a sampling of the SSD specifications. Please consult each vendor's website for more detailed information when selecting the appropriate SSD.

OneBlox supports mixed capacity SSDs within the same OneBlox and within the same cluster. However, it's recommended that similar performing SSDs are used within a cluster for consistency.

Supported SSDs

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Specifications	Samsung pm863a	Samsung sm863a	Intel s3610	Intel s3710	Intel s4500	Intel s4600	Toshiba PX05
Type	TLC	MLC	MLC	MLC	TLC	MLC	MLC
800GB			Available	Available			
960GB	Available	Available					Available
1.2TB			Available	Available			
1.6TB			Available				
1.9TB	Available	Available			Available	Available	Available
3.8TB	Available				Available		Available
DWPD	1.3	3.6	3	10	1	3	3
Random Read/ write IOPS	97k/24k	90k/10k	84k/27k	85k/45k	72k/33k	72k/65k	270k/70k
Sequential Read/Write MB/sec	520/480	410/450	540/500	550/520	500/470	500/480	1,500/750