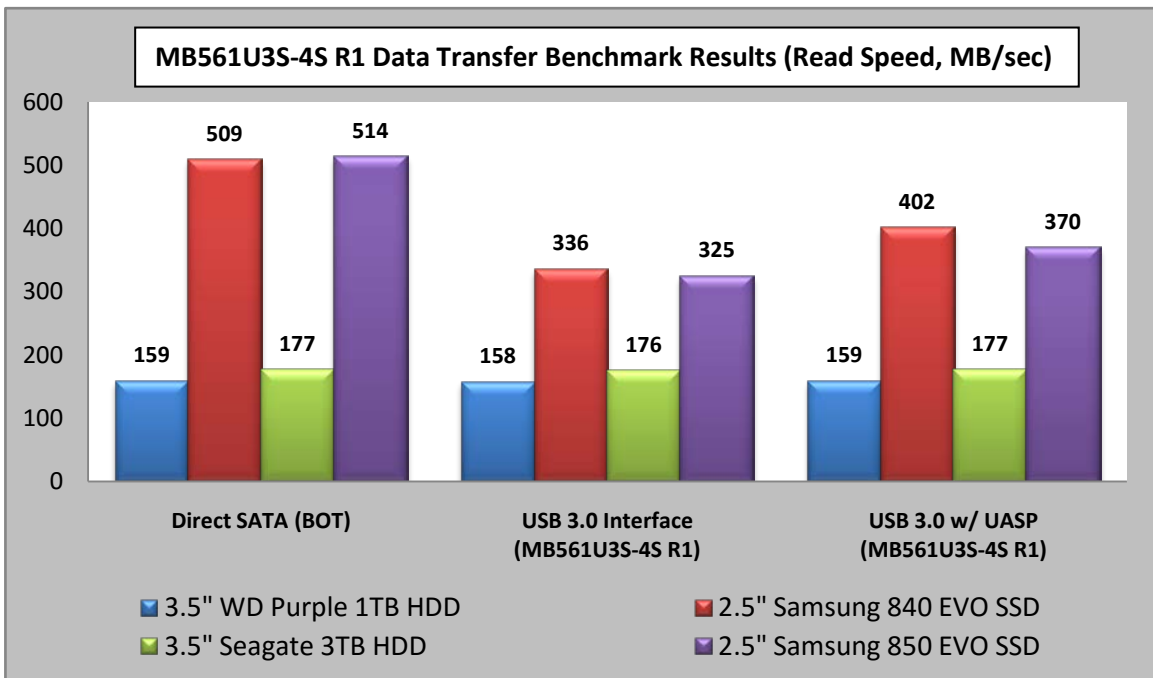


# MB561U3S-4S R1 USB 3.0 Crystal DiskMark Benchmark

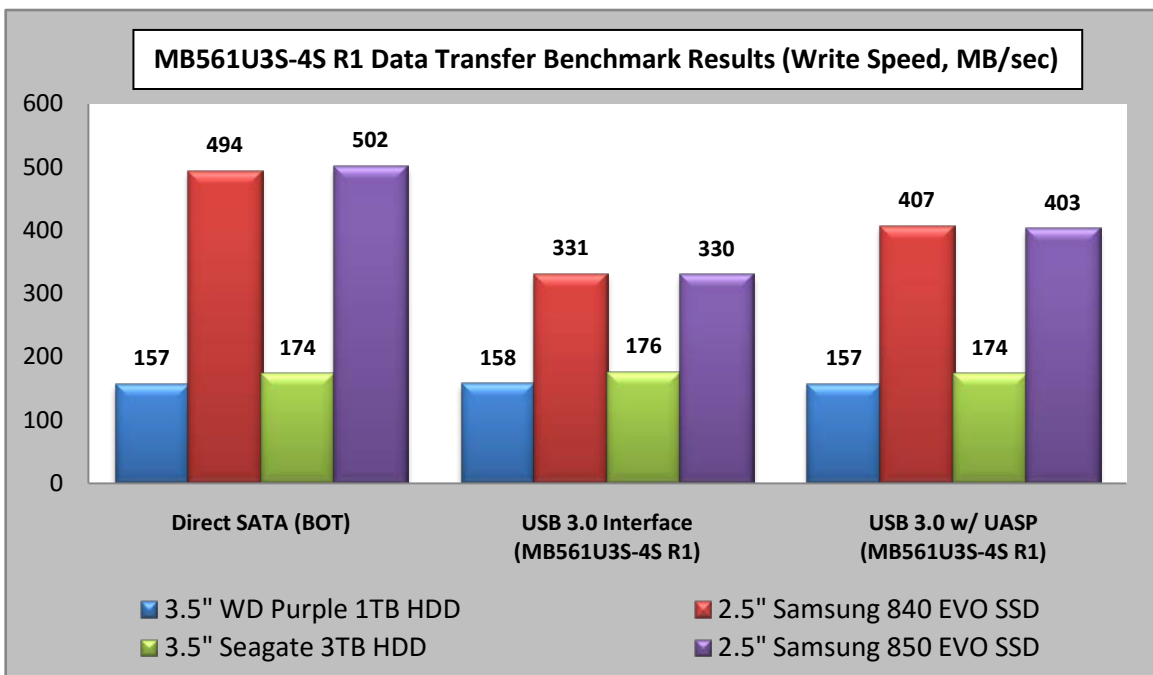


## SSD/HDD Benchmark with MB561U3S-4S R1 - Read



Due to current USB 3.0 chipset technology, the maximum transfer speed for USB 3.0 interface is around 340 MB/s. With the added UASP support, the USB 3.0 transfer speed can be increased by approximately 20%. (UASP support at host end is required)

## SSD/HDD Benchmark with MB561U3S-4S R1 - Write



## 3.5" WD Purple 1TB HDD Crystal DiskMark Benchmark

All	Read [MB/s]	Write [MB/s]
Seq	158.6	157.0
512K	50.06	101.8
4K	0.592	2.065
4K QD32	1.966	1.873

Direct SATA (BOT)

All	Read [MB/s]	Write [MB/s]
Seq	158.2	157.6
512K	50.21	104.7
4K	0.603	2.043
4K QD32	0.626	1.836

USB 3.0 Interface

All	Read [MB/s]	Write [MB/s]
Seq	159.2	156.7
512K	50.93	100.4
4K	0.584	1.966
4K QD32	0.603	1.816

USB 3.0 w/ UASP

## 3.5" Seagate 3TB HDD Crystal DiskMark Benchmark

All	Read [MB/s]	Write [MB/s]
Seq	176.9	174.4
512K	58.43	92.53
4K	0.687	1.202
4K QD32	1.661	1.047

Direct SATA (BOT)

All	Read [MB/s]	Write [MB/s]
Seq	176.2	175.7
512K	58.41	94.68
4K	0.659	1.346
4K QD32	0.684	1.352

USB 3.0 Interface

All	Read [MB/s]	Write [MB/s]
Seq	177.1	174.4
512K	57.60	92.09
4K	0.676	1.333
4K QD32	0.669	1.330

USB 3.0 w/ UASP

## 2.5" Samsung 840 EVO SSD Crystal DiskMark Benchmark

All	Read [MB/s]	Write [MB/s]
Seq	508.3	494.3
512K	441.9	265.1
4K	35.37	72.83
4K QD32	382.7	176.3

Direct SATA (BOT)

All	Read [MB/s]	Write [MB/s]
Seq	336.1	330.6
512K	322.9	261.8
4K	21.22	26.78
4K QD32	23.40	27.89

USB 3.0 Interface

All	Read [MB/s]	Write [MB/s]
Seq	401.6	407.0
512K	365.2	275.2
4K	15.52	22.18
4K QD32	21.37	34.84

USB 3.0 w/ UASP

## 2.5" Samsung 850 EVO SSD Crystal DiskMark Benchmark

All	Read [MB/s]	Write [MB/s]
Seq	513.6	502.1
512K	454.0	389.9
4K	41.63	75.58
4K QD32	402.6	362.4

Direct SATA (BOT)

All	Read [MB/s]	Write [MB/s]
Seq	325.1	330.4
512K	317.3	319.0
4K	20.95	26.76
4K QD32	24.12	27.62

USB 3.0 Interface

All	Read [MB/s]	Write [MB/s]
Seq	370.1	402.6
512K	360.0	367.5
4K	16.06	20.87
4K QD32	21.88	30.86

USB 3.0 w/ UASP