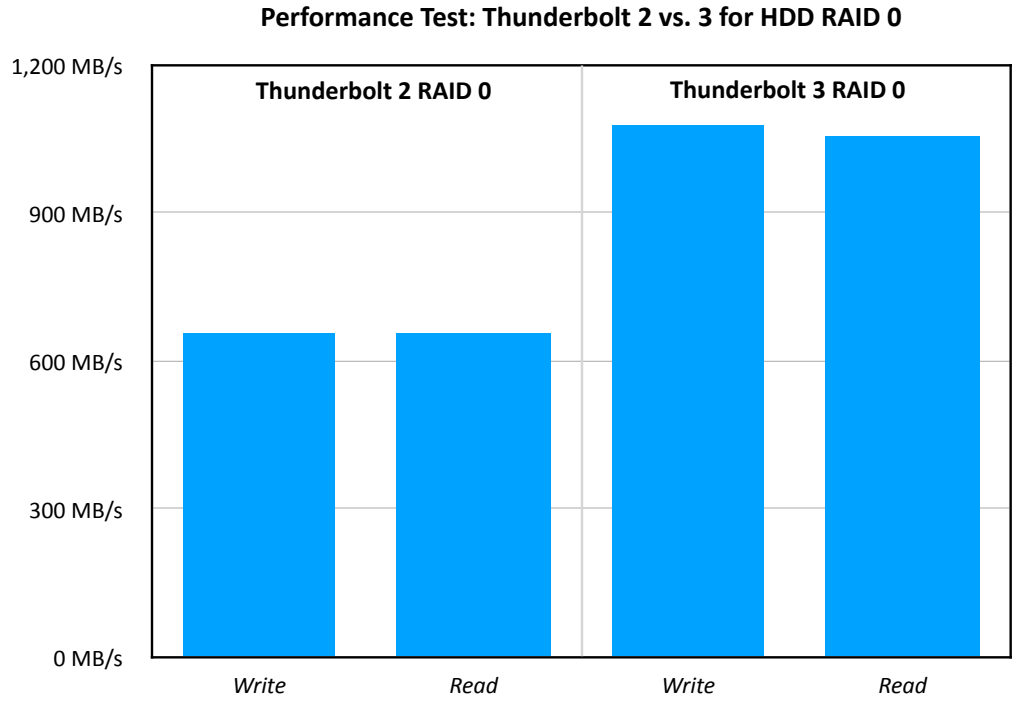
Performance Test: Thunderbolt 2 vs. 3 for HDD RAID 0

	4-drive RAID 0 - TB 2		4-Drive RAID 0 - TB 3	
	Write	*Read*	*Write*	*Read*
Average	**656.5**	**653.3**	**1075.0**	**1054.3**
Maximum	679	682	1088	1055
Minimum	637	635	1049	1053
St. Deviation	20.7	20.1	17.7	1.0
Speed Difference			1.6	1.6
Test 1	669	647	1088	1055
Test 2	641	649	1079	1054
Test 3	637	635	1084	1053
Test 4	679	682	1049	1055

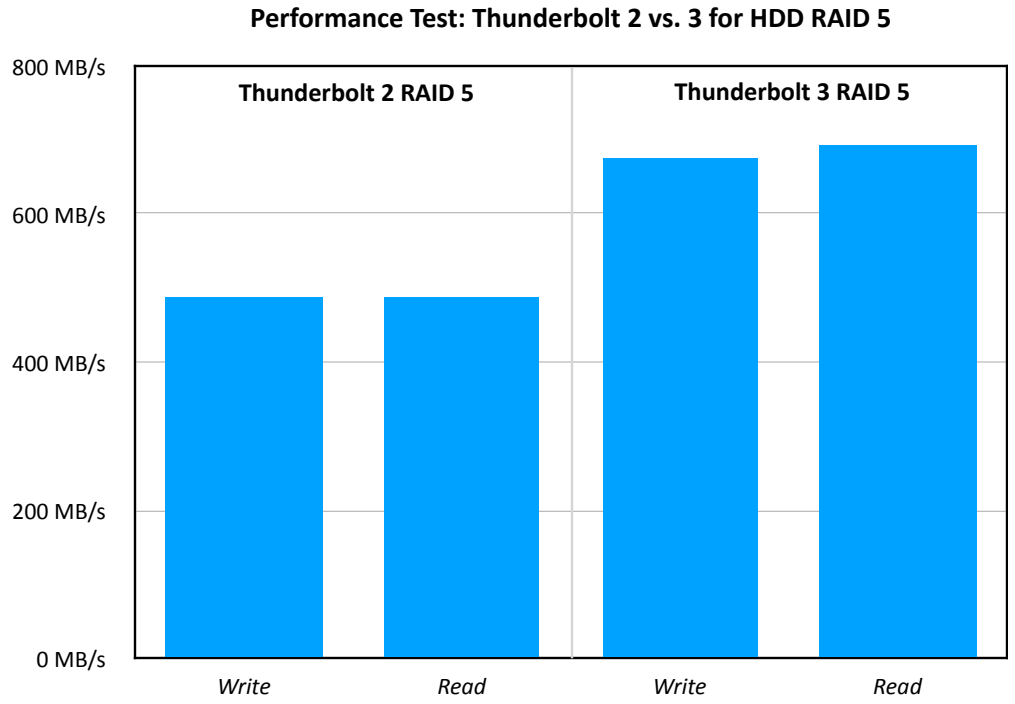
NOTES
All drives on both RAIDs were Seagate Iron Wolf Pro.
TB 2 drive about five years old. All drives were empty when test was run.
All speed tests measured using AJA System Test (Full - v16.2.5.2)
Test file: 4 GB 16-bit RGB - no codecs involved.
All tests run on M2 Max Mac Studio (64 GB RAM, 12 CPU cores, 30 GPU cores) running macOS 15.1.1.



Thunderbolt 3 is 1.6X faster than Thunderbolt 2 for a 4-drive HDD RAID 0.

Performance Test: Thunderbolt 2 vs. 3 for HDD RAID 5

	4-drive RAID 5 - TB 2		4-Drive RAID 5 - TB 3	
	Write	*Read*	*Write*	*Read*
Average	**487.8**	**487.8**	**675.3**	**694.0**
Maximum	508	505	689	702
Minimum	466	477	651	689
St. Deviation	18.8	12.2	17.1	5.9
Speed Difference			1.4	1.4
Test 1	466	482	676	689
Test 2	508	505	689	695
Test 3	479	477	651	702
Test 4	498	487	685	690



Thunderbolt 3 is 1.4X faster than Thunderbolt 2 for a 4-drive HDD RAID 5.