

TABLE 1 FILE SYSTEMS BENCHMARK RESULTS



	Internal SATA		IEEE 1394a (FireWire 400)		USB2		IEEE 1394b (FireWire 800)				eSATA (motherboard)			
	C drive	D drive	RAID 0	RAID 1	RAID 0	RAID 1	PCI		PCI Express		Seagate		SteelVine	
							RAID 0	RAID 1	RAID 0	RAID 1	FAT 32	NTFS	Contiguous (disks 0/1/2/3/4)	Concatenated
Drive index (Mbytes/sec)	130	120	35	34	31	28	70	52	65	Not tested	51	51	50/49/50/50/50	50
Random- access time (msec)	9	9	9	8	10	17	10	8	10	Not tested	7	7	8/8/8/8/8	8
Buffered read (Mbytes/sec)	260	258	30	31	20	14	57	42	57	Not tested	120	120	40/40/40/40/40	40
Sequential read (Mbytes/sec)	168	154	40	38	33	31	88	60	88	Not tested	58	58	57/56/57/57/57	57
Random read (Mbytes/sec)	68	64	29	29	25	21	47	40	47	Not tested	41	42	39/38/38/39/39	39
Buffered write (Mbytes/sec)	83	84	32	31	33	33	62	61	41	Not tested	133	132	80/80/80/80/80	80
Sequential write (Mbytes/sec)	160	147	32	31	33	32	62	58	41	Not tested	58	58	57/56/57/57/57	57
Random write (Mbytes/sec)	100	96	32	31	33	31	61	43	41	Not tested	39	40	42/42/42/43/42	42

Note: eSATA (add-in) concatenated, mirrored (disks 0 and 1/2 and 3), striped (across all five disks), mirrored striped (disks 0 to 3), and parity RAID (across all five disks) were not tested.

					eSATA (add-in)		
					Seagate		SteelVine
	Mirrored (disks 0 and 1/2 and 3)	Striped (across all five disks)	Mirrored striped (disks 0 to 3)	Parity RAID (across all five disks)	FAT 32	NTFS	Contiguous (disks 0/1/2/3/4)
	52/52	108	86	50	51	51	50/49/50/50/50
	5/5	6	6	18	7	7	8/8/8/8/8
	48/60	80	122	28	219	219	40/40/40/40/40
	57/57	120	107	79	58	58	57/56/57/57/57
	45/45	72	65	33	41	42	39/38/39/39/39
	63/64	136	70	0.652	140	140	80/80/80/80/80
	56/57	136	70	8	58	58	57/56/57/57/57
	42/42	136	70	0.551	39	39	42/42/42/43/42