

Test Environment

Model	ARC-1120	Date	2005/5/9
Firmware Ver.	V1.36 2005/3/17		
BIOS Ver.	V1.16 2005/3/17	PCB Ver.	C

MotherBoard	Iwill DK8S2	BIOS	V1.06
CPU	AMD64 1.4GHz x2	Memory	1GB

OS Platform : Windows 2000 Professional w/ SP4

IO Meter Settings

of Outstanding I/Os 16 per Target

Burst Length : 16 I/Os

Run Time : 1 Min.

Ramp up time : 10 Sec

Volume Size : 10 GB

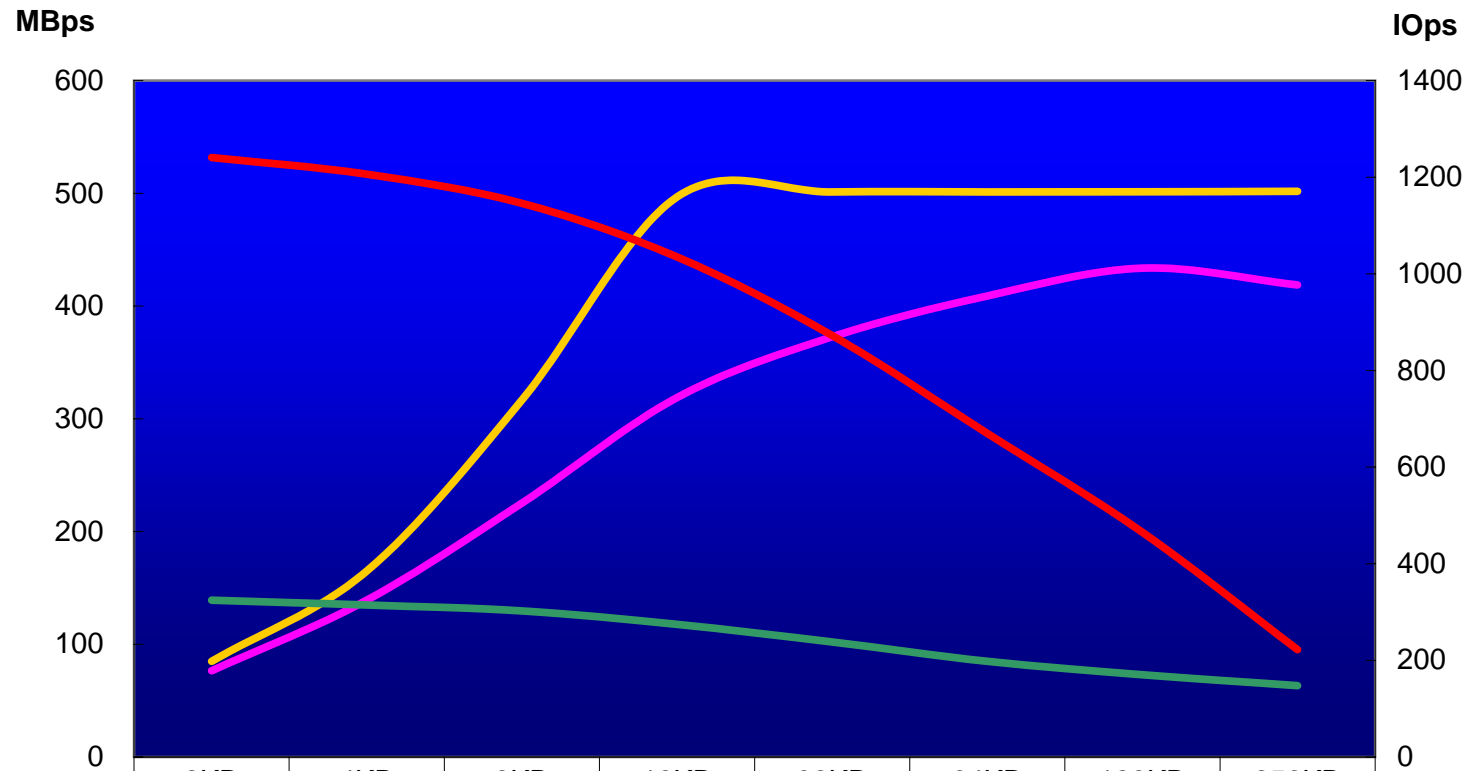
Controller #1

Ch #	Vendor	Model Name	Firmware	Capacity
1	Maxtor	Maxtor 6Y080M0	YAR51BW0	82.0GB
2	Maxtor	Maxtor 6Y080M0	YAR51BW0	82.0GB
3	Maxtor	Maxtor 6Y080M0	YAR51BW0	82.0GB
4	Maxtor	Maxtor 6Y080M0	YAR51BW0	82.0GB
5	Maxtor	Maxtor 6Y080M0	YAR51BW0	82.0GB
6	Maxtor	Maxtor 6Y080M0	YAR51BW0	82.0GB
7	Maxtor	Maxtor 6Y080M0	YAR51BW0	82.0GB
8	Maxtor	Maxtor 6Y080M0	YAR51BW0	82.0GB

Controller #2

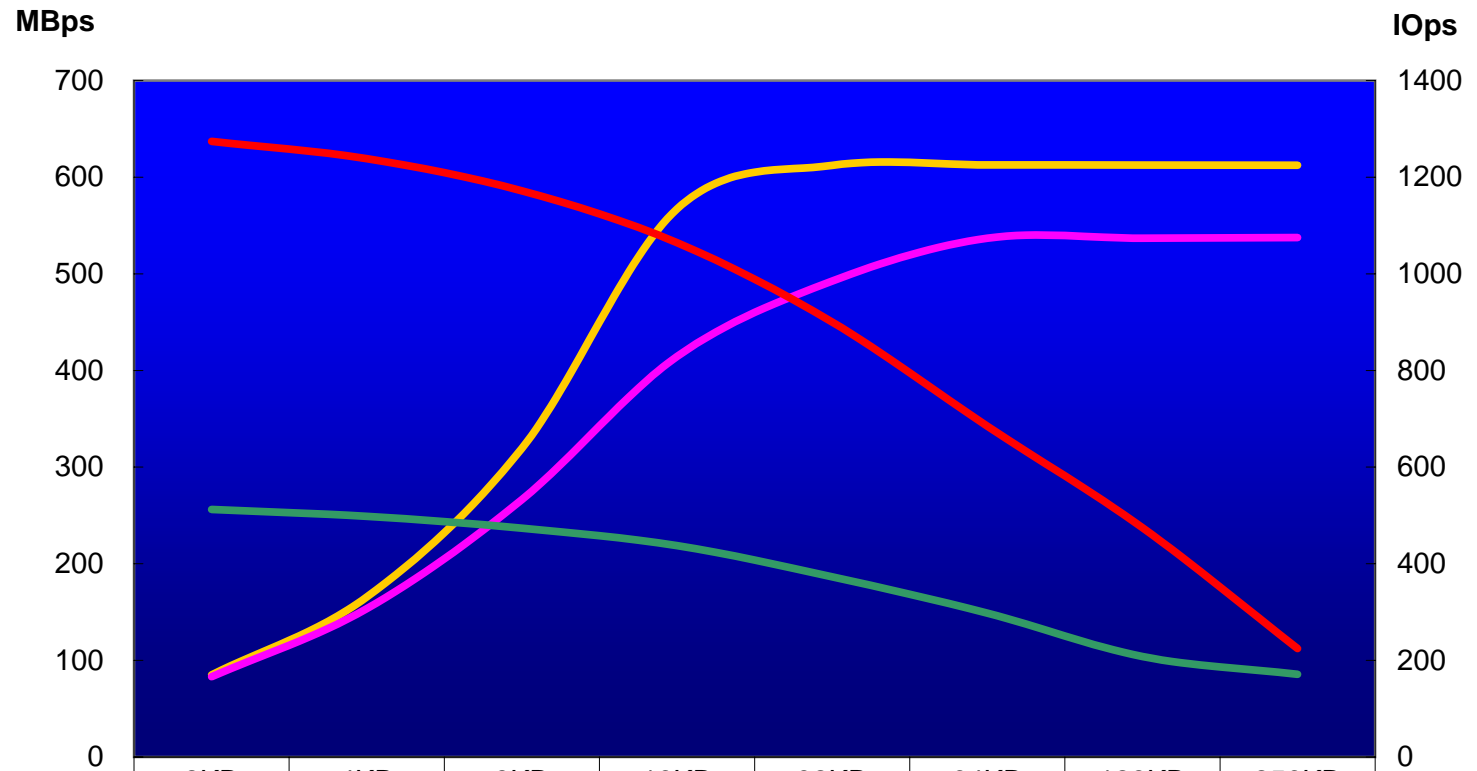
Ch #	Vendor	Model Name	Firmware	Capacity
1	Maxtor	Maxtor 6Y080M0	YAR51BW0	82.0GB
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5	Maxtor	Maxtor 6Y080M0	YAR51BW0	82.0GB
6	Maxtor	Maxtor 6Y080M0	YAR51BW0	82.0GB
7	Maxtor	Maxtor 6Y080M0	YAR51BW0	82.0GB
8	Maxtor	Maxtor 6Y080M0	YAR51BW0	82.0GB

RAID 6 Strip Size 64KB



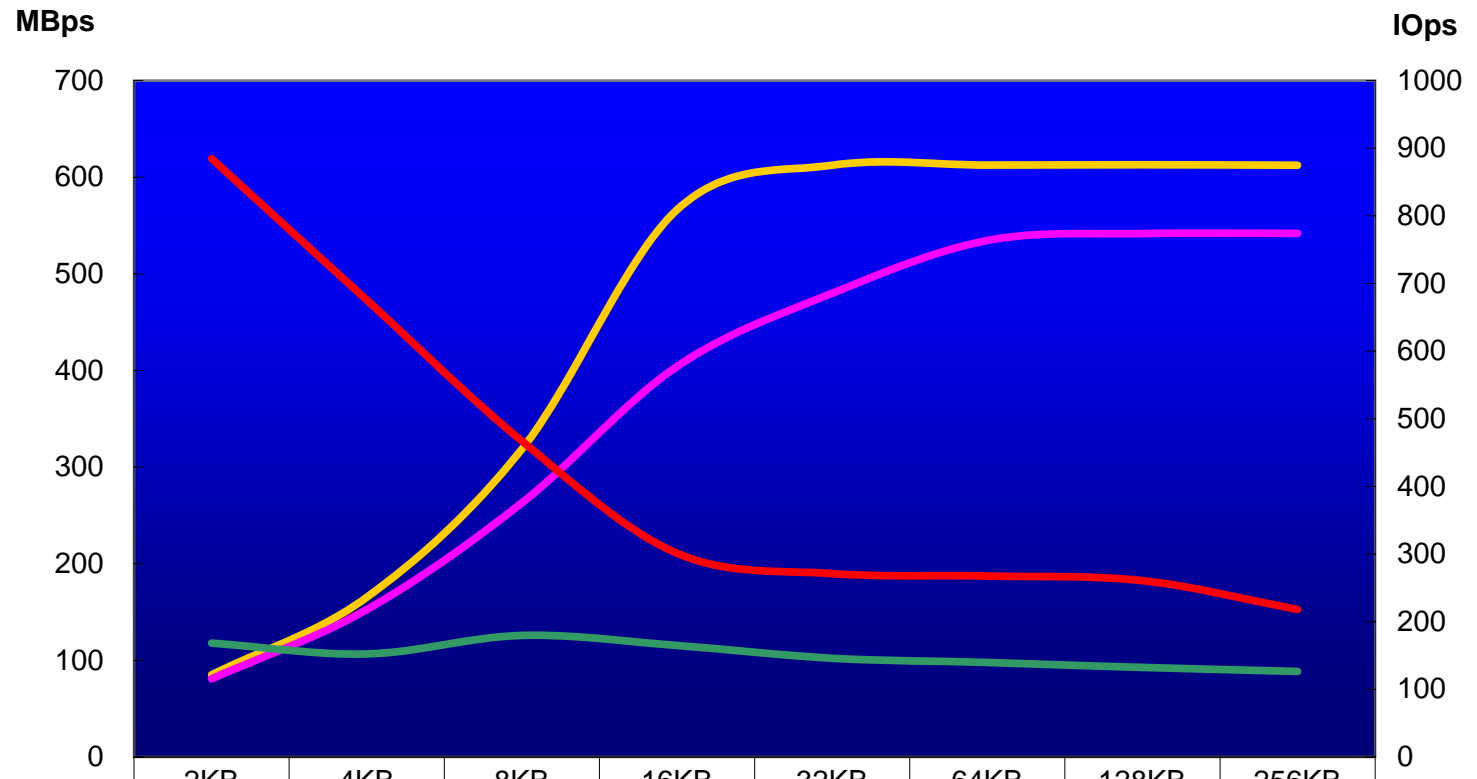
	2KB	4KB	8KB	16KB	32KB	64KB	128KB	256KB
Sequential Read MBps	84.87	164.96	316.57	496.76	501.19	501.18	501.35	501.74
Sequential Write MBps	76.50	139.16	225.06	318.77	372.82	408.87	433.62	418.73
Random Read IOps	1240.81	1206.19	1145.96	1035.08	872.35	669.62	464.87	222.33
Random Write IOps	324.53	314.66	302.37	274.42	238.08	198.17	170.33	147.80

RAID 5 Strip Size 64KB



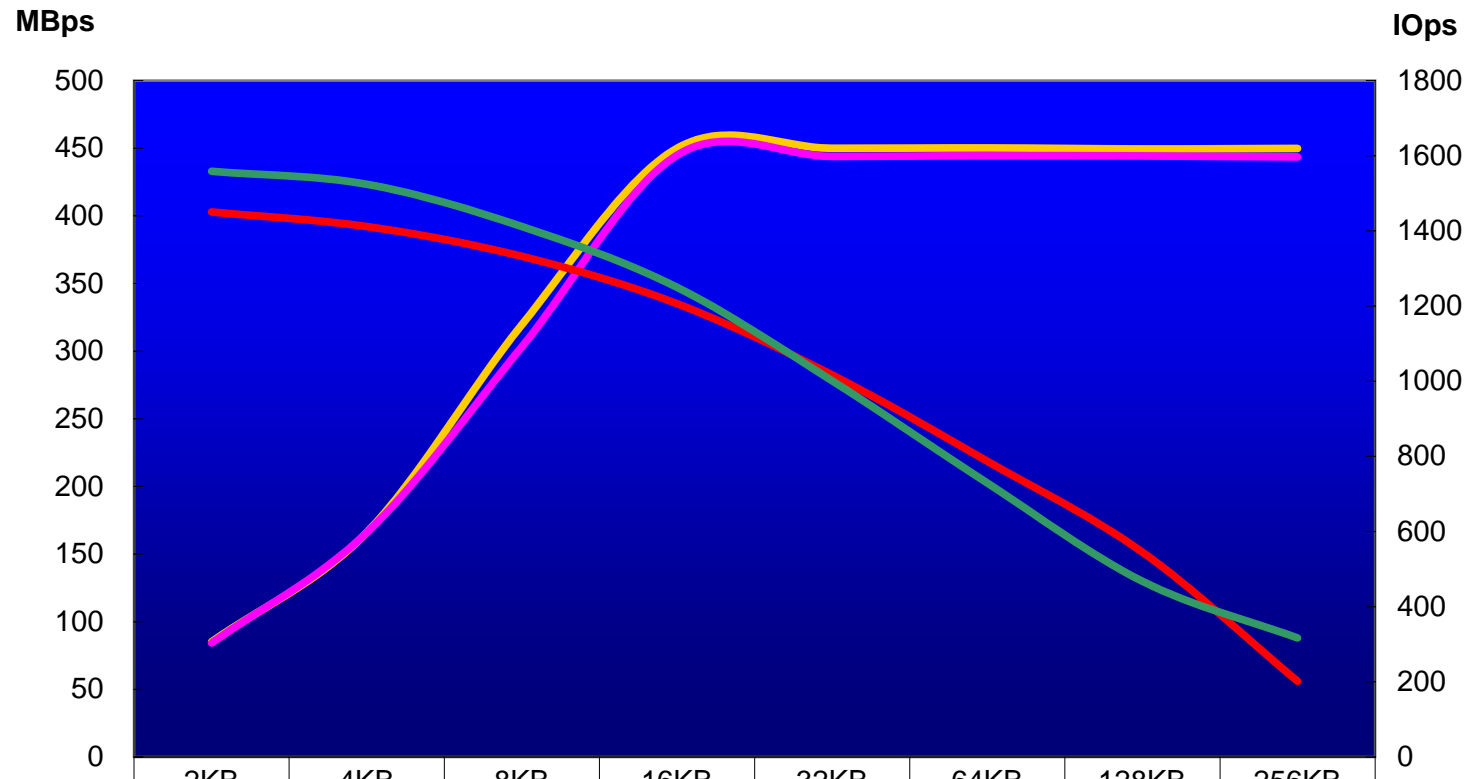
Sequential Read MBps	84.99	165.58	319.30	567.18	612.20	612.72	612.61	612.38
Sequential Write MBps	83.14	153.57	266.30	414.47	492.51	536.89	536.82	537.59
Random Read IOps	1274.02	1238.37	1171.80	1064.63	900.19	684.62	474.75	224.47
Random Write IOps	512.22	498.29	473.53	437.43	373.08	297.91	207.92	171.07

RAID 3 Strip Size 64KB



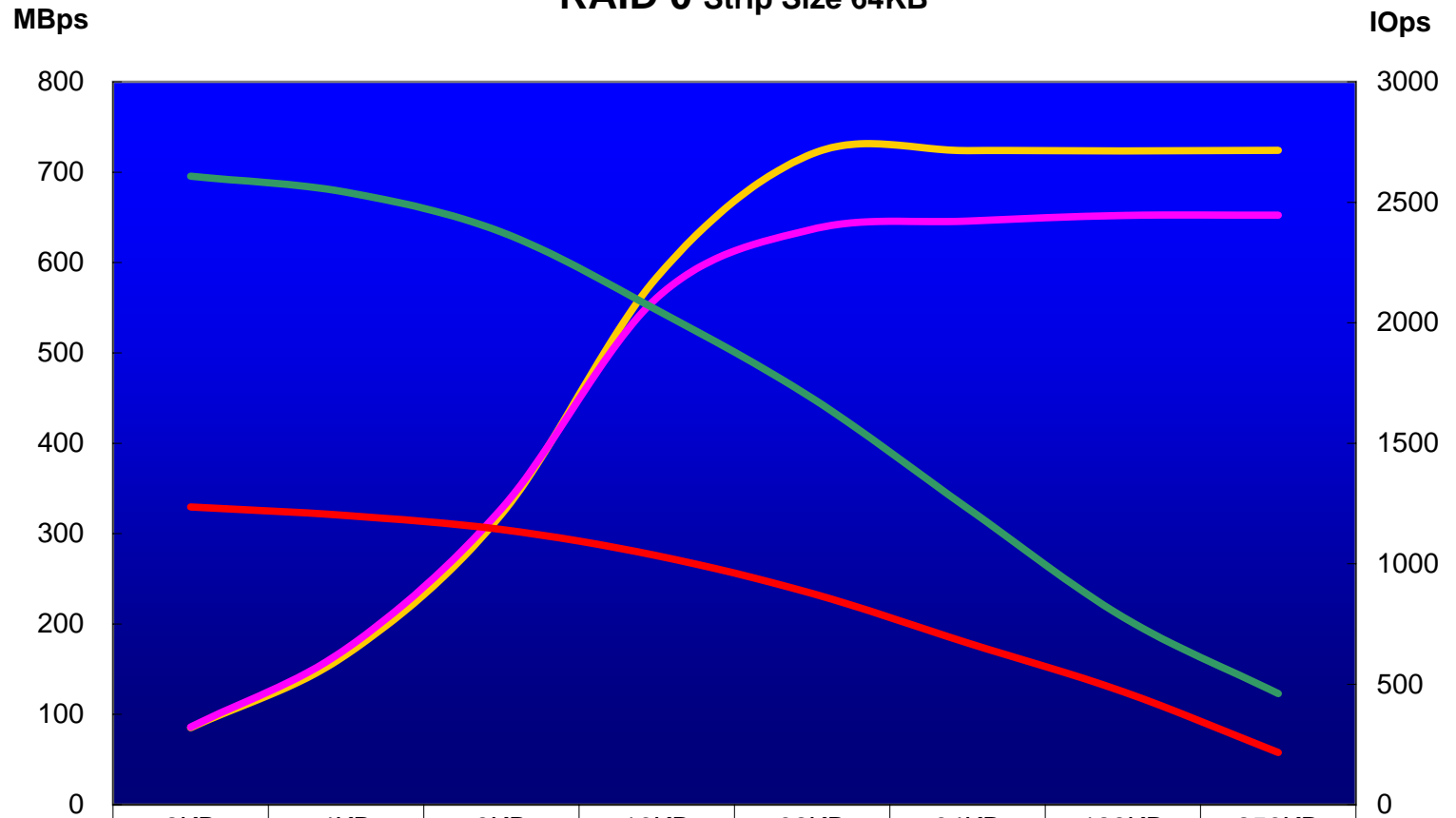
	2KB	4KB	8KB	16KB	32KB	64KB	128KB	256KB
Sequential Read MBps	85.10	165.29	318.48	566.31	612.32	612.64	612.84	612.40
Sequential Write MBps	80.94	152.51	262.97	404.29	479.85	534.49	541.65	541.84
Random Read IOps	884.59	675.72	467.32	301.16	271.20	267.65	260.75	218.05
Random Write IOps	168.40	152.35	179.86	164.99	146.03	139.83	132.46	126.63

RAID 1 Strip Size 64KB



	2KB	4KB	8KB	16KB	32KB	64KB	128KB	256KB
Sequential Read MBps	85.19	165.99	319.47	450.01	449.91	450.15	449.55	449.81
Sequential Write MBps	84.30	165.89	303.19	444.85	443.98	444.57	444.29	443.63
Random Read IOps	1450.56	1411.43	1332.60	1206.49	1016.76	787.00	544.92	201.70
Random Write IOps	1558.73	1524.16	1411.56	1250.00	1001.31	729.17	467.61	316.95

RAID 0 Strip Size 64KB



Sequential Read MBps	85.17	165.98	321.36	583.70	720.26	723.80	723.53	724.12
Sequential Write MBps	85.95	172.56	327.41	561.02	636.76	645.92	652.01	652.45
Random Read IOps	1235.50	1200.24	1142.25	1033.73	876.53	671.25	469.51	216.76
Random Write IOps	2608.45	2541.89	2376.26	2053.19	1687.31	1230.34	778.59	461.07