

## Raspberry Model B Pi 3 Üzerinde Raspbian Buster with desktop ve Raspbian Buster Lite İşletim Sistemlerinde Çalışan Test Sonuçları

4 adet seçilmiş benchmark 2 farklı Raspbian konfigürasyonunda test edildi. Sonuçlar gösteriyorki Raspbian Lite minimum konfigürasyonda işletim sistemi CPU 'yu daha verimli kullanmaktadır. Testlere göre Read/Write I/O işlemlerinde Raspbian Buster maximum konfigürasyonu Raspbian Lite minumum konfigürasyonundan daha yavaş işlem sonuçlamıştır.

### driveSpeed Benchmark

- [Raspbian Buster](#)

200 Files	Write			Read			Delete
File KB	4	8	16	4	8	16	secs
MB/sec	0.83	0.17	0.42	3.51	6.05	11.73	
ms/file	4.96	46.82	39.26	1.17	1.35	1.40	0.028

- [Raspbian Lite](#)

200 Files	Write			Read			Delete
File KB	4	8	16	4	8	16	secs
MB/sec	1.14	2.15	4.93	5.45	8.79	12.71	
ms/file	3.60	3.81	3.32	0.75	0.93	1.29	0.022

### IanSpeed Benchmark

- [Raspbian Buster](#)

200 Files	Write			Read			Delete
File KB	4	8	16	4	8	16	secs

MB/sec	22.71	25.36	45.61	131.82	229.72	332.28	
ms/file	0.18	0.32	0.36	0.03	0.04	0.05	0.025

- [Raspbian Lite](#)

200 Files	Write			Read			Delete
File KB	4	8	16	4	8	16	secs
MB/sec	26.21	39.00	65.50	151.39	240.73	351.25	
ms/file	0.16	0.21	0.25	0.03	0.03	0.05	0.023

[MP-MFLOPS Benchmark](#)

- [Raspbian Buster](#)

	2 Ops/Word			32 Ops/Word		
KB	12.8	128	12800	12.8	128	12800
MFLOPS						
1T	91	91	99	333	337	328
2T	168	177	168	711	643	698
4T	171	221	169	686	941	705
8T	160	177	172	704	683	844
Results x 100000, 0 indicates ERRORS						
1T	76406	97075	99969	66014	95363	99951
2T	76406	97075	99969	66014	95363	99951
4T	76406	97075	99969	66014	95363	99951
8T	76406	97075	99969	66014	95363	99951

- [Raspbian Lite](#)

2 Ops/Word            32 Ops/Word

KB    12.8    128   12800   12.8    128   12800

MFLOPS

1T    90    90    88    338    341    333

2T    181    175    173    676    682    675

4T    321    349    305    1293    1279    1265

8T    345    332    315    1304    1297    1301

Results x 100000, 0 indicates ERRORS

1T    76406   97075   99969   66014   95363   99951

2T    76406   97075   99969   66014   95363   99951

4T    76406   97075   99969   66014   95363   99951

8T    76406   97075   99969   66014   95363   99951

[RPiHeatMHz\\_Benchmark](#)

- [Raspbian Buster](#)

Seconds

0.0    600 scaling MHz,    600 ARM MHz, temp=**43.5'C**

1.0    600 scaling MHz,    600 ARM MHz, temp=44.0'C

2.1    600 scaling MHz,    600 ARM MHz, temp=43.5'C

3.2    600 scaling MHz,    600 ARM MHz, temp=44.0'C

4.3    600 scaling MHz,    600 ARM MHz, temp=44.0'C

5.3    600 scaling MHz,    600 ARM MHz, temp=44.0'C

6.4    600 scaling MHz,    600 ARM MHz, temp=44.0'C

7.5	600 scaling MHz,	600 ARM MHz, temp=44.0'C
8.6	600 scaling MHz,	600 ARM MHz, temp=44.0'C
9.7	600 scaling MHz,	600 ARM MHz, temp=44.0'C
10.8	600 scaling MHz,	600 ARM MHz, temp=44.0'C

- [Raspbian Lite](#)

#### Seconds

0.0	1200 scaling MHz,	600 ARM MHz, temp=46.2'C
1.0	600 scaling MHz,	600 ARM MHz, temp=46.2'C
2.1	600 scaling MHz,	600 ARM MHz, temp=45.6'C
3.1	600 scaling MHz,	600 ARM MHz, temp=46.2'C
4.2	600 scaling MHz,	600 ARM MHz, temp=46.2'C
5.3	600 scaling MHz,	600 ARM MHz, temp=46.2'C
6.4	600 scaling MHz,	600 ARM MHz, temp=45.6'C
7.4	600 scaling MHz,	600 ARM MHz, temp=46.2'C
8.5	600 scaling MHz,	600 ARM MHz, temp=46.2'C
9.6	600 scaling MHz,	600 ARM MHz, temp=46.2'C
10.6	600 scaling MHz,	600 ARM MHz, temp=46.2'C