

Swift Package Index - M1 vs Intel Benchmarks

All tests performed with the [SPI-Server](#) repository at [Revision 2.47.9](#). For more details on this benchmark, see the [spi-benchmark](#) repository.

Build Benchmarks

	MacBook Pro - M1 Max - 64Gb	MacBook Pro - M1 Max - 32Gb	MacBook Pro - M1 Pro - 10 core - 32Gb	MacBook Pro - M1 Pro - 8 core - 32Gb	MacBook Air - M1 - 16Gb	MacBook Pro - 2019 - 2.4Ghz i9 - 32Gb	MacBook Pro - 2019 - 2.3Ghz i9 - 16Gb	MacBook Pro - 2015 - 2.8Ghz i7 - 16Gb
1	37.9	41.0	35.8	45.0	57.3	60.8	73.5	116.4
2	30.8	32.3	31.8	36.1	46.9	61.6	64.2	108.9
3	30.9	31.6	31.2	36.3	48.4	61.5	63.4	109.4
4	30.9	31.9	31.4	36.6	49.0	60.8	63.1	109.3
5	30.7	32.2	31.3	36.2	49.5	63.2	63.1	108.3
6	31.1	31.4	31.5	36.6	50.3	64.4	62.4	106.1
7	30.7	31.2	31.5	36.1	49.7	61.0	62.8	106.6
8	30.7	31.3	31.6	35.8	50.1	60.3	62.5	106.4
9	30.8	31.1	31.5	36.0	50.4	60.6	62.9	105.7
10	30.8	31.3	31.3	36.7	50.2	60.7	62.8	105.7
11	31.3	31.0	31.2	36.2	51.6	60.2	64.2	105.8
12	31.0	31.2	31.3	36.4	60.6	60.4	63.7	105.8
13	31.2	31.0	31.5	36.5	53.4	60.4	64.9	105.7
14	31.2	31.8	30.9	36.3	51.2	60.1	63.8	104.6
15	31.3	31.2	31.5	36.1	51.0	60.5	64.1	104.6
16	30.9	30.9	31.4	35.9	50.6	60.5	63.4	104.0

	MacBook Pro - M1 Max - 64Gb	MacBook Pro - M1 Max - 32Gb	MacBook Pro - M1 Pro - 10 core - 32Gb	MacBook Pro - M1 Pro - 8 core - 32Gb	MacBook Air - M1 - 16Gb	MacBook Pro - 2019 - 2.4Ghz i9 - 32Gb	MacBook Pro - 2019 - 2.3Ghz i9 - 16Gb	MacBook Pro - 2015 - 2.8Ghz i7 - 16Gb
17	31.0	31.6	31.3	36.1	51.5	60.2	63.6	105.2
18	30.9	31.5	31.0	36.0	52.1	60.7	62.9	105.2
19	31.3	31.4	31.0	36.3	51.7	60.6	63.2	104.1
20	30.9	31.5	30.9	36.1	51.7	60.0	63.0	104.0
min	30.7	30.9	30.9	35.8	46.9	60.0	62.4	104.0

Test Benchmarks

	MacBook Pro - M1 Max - 64Gb	MacBook Pro - M1 Max - 32Gb	MacBook Pro - M1 Pro - 10 core - 32Gb	MacBook Pro - M1 Pro - 8 core - 32Gb	MacBook Air - M1 - 16Gb	MacBook Pro - 2019 - 2.4Ghz i9 - 32Gb	MacBook Pro - 2019 - 2.3Ghz i9 - 16Gb	MacBook Pro - 2015 - 2.8Ghz i7 - 16Gb
1	26.0	26.3	26.4	38.3	30.2	40.8	37.7	37.8
2	25.8	26.3	26.4	38.2	28.0	41.0	37.4	37.9
3	26.1	27.1	26.7	38.8	26.9	41.4	38.4	37.8
4	26.1	26.8	26.6	39.1	26.9	41.3	37.5	38.4
5	26.1	26.6	26.5	38.9	27.2	41.4	37.4	37.8
6	26.0	27.0	26.5	39.8	27.2	41.4	37.6	37.7
7	26.1	26.6	26.5	39.9	27.0	41.1	37.9	37.7
8	26.1	26.6	26.6	40.1	27.2	41.1	37.4	37.7
9	26.2	26.5	26.5	40.0	27.2	40.9	37.7	37.5
10	25.7	26.7	26.6	40.2	29.1	40.8	37.4	37.6

	MacBook Pro - M1 Max - 64Gb	MacBook Pro - M1 Max - 32Gb	MacBook Pro - M1 Pro - 10 core - 32Gb	MacBook Pro - M1 Pro - 8 core - 32Gb	MacBook Air - M1 - 16Gb	MacBook Pro - 2019 - 2.4Ghz i9 - 32Gb	MacBook Pro - 2019 - 2.3Ghz i9 - 16Gb	MacBook Pro - 2015 - 2.8Ghz i7 - 16Gb
11	26.1	29.8	26.4	40.1	27.3	40.6	37.3	38.3
12	26.1	29.5	26.6	40.2	28.8	40.9	37.2	38.4
13	26.1	29.2	26.6	39.7	30.3	40.7	37.1	37.9
14	26.1	29.0	26.5	40.2	26.8	41.5	37.2	38.1
15	26.2	29.5	26.6	41.2	27.3	41.0	37.2	38.7
16	26.1	27.1	26.5	40.9	27.0	41.0	37.5	37.9
17	26.2	26.4	26.6	40.4	27.1	40.7	37.6	37.7
18	26.1	26.3	26.5	40.2	27.0	40.6	37.2	37.8
19	26.3	26.4	26.6	40.6	26.9	40.5	37.0	37.9
20	26.1	26.4	26.7	40.7	27.1	40.6	37.1	37.8
min	25.7	26.3	26.4	38.2	26.8	40.5	37.0	37.5