veryPC

Performance Comparison

Aspect Nano
Intel Core i5 1235U,
Intel(R) Iris(R) Xe Graphics - 80EU,
2 x 8GB 3200MT/s

VS

Modern PC*
Intel Core i5 12400,
Intel(R) UHD Graphics 730 - 24EU,
2 x 8GB 3200MT/s

5500	**Performance Score**	5697
63.68 kWh per annum	**Estimated Energy Use**	87.80 kWh per annum
£15.60 per annum	**Estimated Energy Cost**	£21.51 per annum
177.42 points per watt	**Performance Efficiency**	132.83 points per watt

30%
less power consumption during typical use compared to a modern PC

90%
less power under full load compared to a modern PC

30%
reduction in energy bills compared to a modern PC

**Modern PC based on Flex Mini*

In-depth Comparison

		Aspect Nano	Modern PC
Specification	CPU	Intel Core i5 1235U	Intel Core i5 12400
	GPU	Intel(R) Iris(R) Xe Graphics - 80EU	Intel(R) UHD Graphics 730 - 24EU
	RAM	2 x 8GB 3200MT/s	2 x 8GB 3200MT/s
	SSD	512GB NVMe SSD	512GB NVMe SSD
PassMark Purely synthetic benchmark testing, not necessarily representative of real-world use	PassMark (Total)	3629	3206
	PassMark (CPU)	15994	20373
	PassMark (2D GPU)	664	486
	PassMark (3D GPU)	2818	1857
PCMark 10 Benchmark tool designed to emulate real-world applications, better indicator of actual performance	PCMark 10	5500	5697
	Essentials	10459	11068
	Productivity	7056	7855
	Content Creation	6119	5771
PSU	80+ rating	Bronze	Bronze
	Maximum PSU efficiency (50% load @ 230V in)	88%	88%
Power Usage	Off	1.06w	0.86w
	Sleep	1.20w	1.44w
	Idle	10.45w	19.71w
	Full Load	48.34w	126.93w
	Typical Usage	31.00w	42.89w
Net Energy	Net Energy Usage	72.36 kWh	99.77 kWh
	Net Energy Cost	£17.73 per annum	£24.44 per annum
Performance / Power	Typical Usage (PCMark 10)	177.42 score/W	132.83 score/W
	Full Load (Cinebench R24)	9.62 score/W	5.46 score/W