Product Performance Comparison

Broadleaf Mini
Intel Core i5 12450H,
Intel UHD Graphics for 12th Gen,
2 x 8GB @ 3200MT/s DDR4

VS

Modern PC*
Intel Core i5 12400,
Intel UHD Graphics 730,
2 x 8GB @ 3200MT/s DDR4

Broadleaf Mini	Metric	Modern PC*
5464	**Performance Score**	5323
92%	**PSU Efficiency**	88%
52.1 kWh per annum	**Estimated Energy Use**	80.3 kWh per annum
£12.76 per annum	**Estimated Energy Cost**	£19.69 per annum
228.6 points per watt	**Performance Efficiency**	147.0 points per watt

Broadleaf Mini has

Up to
20%
less power draw when on standby than Modern PC

Up to
35%
less power draw when in sleep mode than Modern PC

Save up to
35%
on your energy bills than Modern PC

*Modern PC based on Aspect Mini

Comparison

An in-depth look at the comparison data

		Broadleaf Mini	Modern PC
Specification	CPU	Intel Core i5 12450H	Intel Core i5 12400
	GPU	Intel UHD Graphics for 12th Gen Processors	Intel UHD Graphics 730
	RAM	2 x 8GB @ 3200MT/s DDR4	2 x 8GB @ 3200MT/s DDR4
	SSD	512GB	512GB
PassMark Purely synthetic benchmark testing, not necessarily representative of real-world use	PassMark (Total)	3260	3712
	PassMark (CPU)	18933	19424
	PassMark (2D GPU)	400	411.2
	PassMark (3D GPU)	2046	1526.2
PCMark 10 Benchmark tool designed to emulate real-world applications, better indicator of actual performance	PCMark 10	5464	5323
	Essentials	10866	10649
	Productivity	7206	7266
	Content Creation	5653	5292
PSU	80+ rating	Gold	Bronze
	Maximum PSU efficiency (50% load @ 230V in)	92%	88%
Power usage	Off	0.67W	0.83W
	Sleep	0.79W	1.24W
	Idle	11.20W	22.30W
	Full Load	75.40W	103.30W
	Typical Usage	23.90W	36.20W
	Net Energy Usage	52.096 kWh	80.349 kWh
	Net Energy Cost	£12.76 per annum	£19.69 per annum
Performance / Power	Typical Usage (PCMark 10)	228.62/W	147.04/W
	Full Load (PassMark)	43.24 score/W	35.93 score/W