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Custom PC Building: A Comprehensive Analysis of Performance, Cost-Effectiveness, and Environmental Impact

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Abstract: The custom PC market has become extremely relevant, especially in the time of the pandemic. The paper aims to discuss the evolution of the Custom PC Market, how it has risen from the ashes time and again, and how desktop PCs are not going to go anywhere even in the generation of Laptops.

This research paper aims to provide an in-depth analysis of custom PC building, with a focus on evaluating its performance, cost-effectiveness, and environmental impact in comparison to pre-built systems. Custom PC building has gained popularity among tech enthusiasts, gamers, and professionals, but there is a lack of comprehensive research on the subject. The paper will examine the components, assembly process, and potential benefits and drawbacks of custom PC building. It will also explore how custom-built PCs compare to off-the-shelf alternatives in terms of performance, cost-effectiveness, and energy efficiency. By assessing the environmental impact of custom PC building, including e-waste generation and energy consumption, this paper aims to provide insights into the sustainability of this growing trend in the technology industry.

Keywords: Custom PC, Custom Build, Processor, PC Manufacturer's, PC Performance

OBJECTIVE

- 1. To Analyse Cost-Effectiveness
- 2. To Assess Environmental Impact
- 3. To Identify Use Cases
- 4. To Offer Informed Recommendations

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