**COMPUTER ARCHITECTURE AND ORGANISATION**

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**My PC specification:**

Model - HP 14ce1001tx

Processor - Intel® core(tm) i5-8265u cpu @ 2.30ghz (14 nm Processor)

Ram - 16 gb (LPDDR 4 2133)

internal - 500 gb 🡪 ssd

1 tb 🡪 hdd

Type: - 64-bit processor

OS - Windows 10 Home Single Language

**Performance of the CPU:**

The performance of the model is far much better because of the processor i5 8th gen. The system will run in a super speed rather it becomes slow at many instants because of the GPU(Graphical Processing Unit) . It has Bang and Olufsen(B&O) . The speed of the processor is about 2304 ghz.The graphic control physical memory is about 16GB .The overall performance of the model is good and aggressive but not for gaming purpose.

**Details of the processor:**

**Speed and Performance :**

Number of Cores - 4

Number of Threads - 8 (Logical Processor)

Processor Base Frequency - 2.30 GHz

Max Turbo Frequency - 3.80 GHz

Cache - 6 MB Intel® Smart Cache

Bus Speed - 4 GT/s

TDP - 28 W

Configurable TDP-down - 20 W

**Memory Specifications :**

Max Memory Size (dependent on memory type) - 32 GB

Memory Types - DDR4-2400, LPDDR3-2133

Max number of Memory Channels - 2

Max Memory Bandwidth - 37.5 GB/s