

Chapter 1 Homework

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Dell XPS 8920 SE Tower

Specifications at http://topics-cdn.dell.com/pdf/xps-8920-desktop_Reference%20Guide_en-us.pdf

CPU	7th Generation Intel® Core™ i7-7700K Processor (8M Cache, up to 4.2 GHz)
RAM	16GB, 2400MHz
Integrated Video	Intel HD Graphics 630
Video Card	NVIDIA® GeForce® GTX 1060 with 6GB GDDR5 Graphics Memory
Optical Drive	BDRE Drive (Reads and Writes to Blu-Ray disks)
Wireless	802.11ac + Bluetooth 4.2
Chipset	Intel Z270
Second Tier Storage	512GB M.2 Solid State Drive + 2TB 7200 rpm Hard Drive

CPU - Intel Core i7-7700K

Specifications at <https://ark.intel.com/products/97129/Intel-Core-i7-7700K-Processor-8M-Cache-50-GHz>

Launch Date	Q1'17
Lithography	14 nm
Recommended Customer Price	\$339.00 - \$350.00
Number of Cores	4
Number of Threads	8
Base Frequency	4.20 GHz
Max Turbo Frequency	4.50 GHz
Cache	8 MB SmartCache

Video Card - NVIDIA® GeForce® GTX 1060 with 6GB GDDR5

Graphics Memory

Specifications at <https://www.nvidia.com/en-us/geforce/products/10series/geforce-gtx-1060/>

GPU Architecture	Pascal
NVIDIA CUDA Cores	1280
Memory	6 GB GDDR5
Memory Speed	8 Gbps
Base Clock	1506 MHz
Boost Clock	1708 MHz
Memory Interface Width	192 bits
Memory Bandwidth	192 GB/sec

Chipset - Intel Z270

Specifications at <https://ark.intel.com/products/98089/Intel-Z270-Chipset>

Launch Date	Q1'17
Bus Speed	8 GT/s DMI3
Lithography	22 nm
TDP	6 Watts
Recommended Customer Price	\$47.00