

Printer

Printing Technology: Laser

**Lexmark CS317dn Color Laser Printer 25 PPM
Mono 25 PPPM Color 2400x600 DPI Print**

USB/Ethernet

Brand: Lexmark

Power Consumption: 480W (printing), 0.5W (hibernate), 2.5W (sleep mode), 30W (ready mode)

Processor: Dual Core, 800 MHz

Input Capacity: Up to 900 pages

Memory: 256 MB

Cost: \$129.99

Keyboard

Microsoft (ANB-00002) Wired Keyboard 600 - USB- Black

Brand: Microsoft

Type: Standard

Interface: USB

Connectivity: Wired

Cost: \$15.99

Mouse

Delux 2.4G Wireless Optical Mouse 1600 dpi (M516GX Black)

Brand: Delux

Type: 2.4G Wireless Optical Mouse

Connection: Nano USB

Maximum dpi: 1600

Cost: \$9.99

Conclusion

All of these components are essential for a student home computer. If you were to buy all of these components in one day, then the cost will be roughly \$900. For more information about these hardware, check the following links:

https://www.canadacomputers.com/product_info.php?cPath=4_1210_65&item_id=120810

<http://www.tigerdirect.ca/applications/SearchTools/item-details.asp?EdpNo=10133174&Sku=YY52-6071504>

<https://www.bestbuy.ca/en-ca/product/patriot-memory-patriot-memory-8gb-ddr4-2400mhz-desktop-memory-psd48g2400k/10396894.aspx?>

https://www.staples.ca/en/lg-22mp58vq-p-22-inch-anti-glare-led-lcd-ips-monitor-1920-x-1080-mega-5-ms5-ms/product_2867799_1-CA_1_20001

https://www.staples.ca/en/Diamond-6450Pe31Gsb-Radeon-HD-6450-Graphic-Card-625-Mhz-Core-1GB-Gddr3-Sdram-Pci-Express-X16-Full-Height/product_75430_1-CA_1_20001

https://www.canadacomputers.com/product_info.php?cPath=569_40&item_id=041520

https://www.staples.ca/en/marvo-sg-117-usb-powered-stereo-gaming-speakers/product_2912079_1-CA_1_20001

https://www.canadacomputers.com/product_info.php?cPath=569_15_213_602&item_id=067606

https://www.staples.ca/en/TP-Link-Archer-C7-AC1750-Dual-Band-Wireless-Gigabit-Router/product_2495557_1-CA_1_20001

https://www.canadacomputers.com/product_info.php?cPath=569_34_1170_453&item_id=108752

https://www.canadacomputers.com/product_info.php?cPath=569_21_273_282&item_id=041233

https://www.canadacomputers.com/product_info.php?cPath=569_21_279_579&item_id=100289

Student Home Computer

DREAM MACHINE

Dedicated to completing homework, paying bills, communicating with friends and other similar tasks in a home environment

CPU Processor Chip

Type: Intel

Intel Pentium Gold G5400 Coffee Lake 2-Core/4-Thread Processor LGA1151 300 Series, 3.7 GHz Base UHD Graphics 610 54W Gen8 Retail Boxed (BX80684G5400)

Series: Pentium

Clock Speed: 3.7 GHz

No. of Cores: 2

No. of Threads: 4

Cost: \$89.99

Motherboard

Type: ATX (Micro-ATX)

Asus PRIME H310M-A LGA1151 (300 SERIES) (PRIME H310M-A)

Compatible Processor: Pentium

Max Size (RAM): 32 GB

Bus Clock: 2400 MHz, 2133 MHz, 2666 MHz

Max Allocated RAM Size (Graphics): 1 GB

Network Interfaces: Gigabit Ethernet

Cost: \$94.99

RAM Memory

Speed: 2400 MHz

Size: 8 GB

Patriot Memory 8GB DDR4 2400MHz

Desktop Memory

Computer RAM Type: DDR4

Voltage: 1.2

Cost: \$69.99

Display Monitor

Resolution: 1920 x 1080

Type: IPS

Size: 22"

LG 22MP58VQ-P 22-inch Anti-Glare LED LCD IPS Monitor, 1920 x 1080, Mega, 5 ms5 ms

Screen Technology: LED LCD

Ports: HDMI, DVI, VGA, D-SUB

Cost: \$159.99

Graphics Card

Resolution: 2560 x 1600

Type:

Diamond 6450Pe31Gsb Radeon HD 6450 1GB GDDR3 SDRAM Graphic Card

GPU Speed: 625 MHz

Standard Memory: 1 GB

Memory Speed: 1334 MHz

Cost: \$66.49

Audio Card

Type: PCI

Asus Xonar DG - 5.1 Channel + Headphone Amp (GX2.5 Audio Engine) - PCI Audio Card

Signal to Noise Ratio(SNR):

105 dB

103 dB

Cost: \$39.99

Audio Speaker

Type:

Marvo SG-117 USB Powered Stereo Gaming Speakers

Brand: Marvo

Series: Scorpion

Rated power: 2 x 3W

Frequency Response: 200 Hz - 16KHz

Cost: \$39.99

External Backup

Type: Portable External Hard Drive

Size: 1 TB

Seagate Backup Plus Slim 1TB Red USB 3.0 Portable External Hard Drive (STDR1000103)

Brand: Seagate

Series: Backup Plus Slim

Interface: USB 3.0

Cost: \$79.99

Network Interface

TP-Link AC1750 Wireless Dual Band Gigabit Router - Supports 802.11ac Standard, Dual USB Ports, Guest Network Access, Simultaneous 2.4GHz 450Mbps and 5GHz 1300Mbps connections - ARCHERC7

Router Frequency: 2.4 & 5 Ghz

Cost: \$99.99