

Computer Hardware: A Worksheet

Original Computer Specification

- **Motherboard:** Socket 775, 2 x DIMM memory slots, onboard 10/100/1000 LAN, 5.1 surround sound, integrated 2D/3D graphics.
- **Operating System:** Microsoft® Windows 7®
- **Processor:** Intel® Celeron E3200 Dual Core Processor (2.40GHz, 1MB Cache)
- **Hard Disk:** 160GB (1x160GB) SATA II Hard Drive
- **Memory:** 1GB (4GB Max) DDR2 RAM
- **Optical Drive:** Super multi DVDRW
- **Ports:**
 - 1 x set 5.1 channel Audio jacks (3 jacks)
 - 1 x PS/2 keyboard port
 - 1 x PS/2 mouse port
 - 1 x Parallel port
 - 1 x Serial port
 - 6 x USB 2.0 ports
 - 1 x RJ45 LAN port
 - 1 x VGA port

Reasons for Upgrades

Instructions

Consider the following five common reasons for upgrading this computer:

- Review the reasons for upgrades.
- Research potential products for each category.
- Fill in the details for each option you find.

1. User Requirements

Description: A new user requires a larger screen (26" or more) due to poor eyesight.

Option 1	Product Name	Image		
	SAMSUNG Odyssey G5 LS27DG502EU XXU Quad HD 27" IPS LCD Gaming Monitor - Black			
	Source Reference	https://www.currys.co.uk/products/samsung-odyssey-g5-ls27dg502eu-quad-hd-27-ips-lcd-gaming-monitor-black-10262442.html		
Option 2	Product Name	Image		
	ACER Vero RL272Eyiiv Full HD 27" IPS LCD Monitor - Dark Grey			
	Source Reference	https://www.currys.co.uk/products/acer-vero-rl272eyiiv-full-hd-27-ips-lcd-monitor-dark-grey-10253690.html		

2. Compatibility

Description: A video camera needs to be connected using FireWire® (IEEE 1394).

Option 1	Product Name	Image		
	SONY Handycam FDR-AX43 4K Ultra HD Camcorder - Black			
	Source Reference	https://www.currys.co.uk/products/sony-handycam-fdrax43-4k-ultra-hd-camcorder-black-10240557.html?q=Sony%20Handycam%20Series		
Option 2	Product Name	Image		
	Source Reference			

3. Capacity (storage)

Description: Increased capacity (storage) is needed to store high-definition movies.

Option 1	Product Name	Image		
	SEAGATE Expansion Portable Hard Drive - 5 TB, Black			
	Source Reference	https://www.currys.co.uk/products/seagate-expansion-portable-hard-drive-5-tb-black-10231105.html		
Option 2	Product Name	Image		
	SAMSUNG T7 Portable External SSD - 2 TB, Grey			
	Source Reference	https://www.currys.co.uk/products/samsung-t7-portable-external-ssd-2-tb-grey-10217289.html		

Conclusion

Upgrading hardware components can help meet the specific needs of users and improve the overall performance of a computer system. By selecting suitable components, users can ensure their system remains functional and efficient for their requirements.

This worksheet is designed to help you think critically about the needs for upgrading computer hardware and to guide you in making informed choices.