



Intermediate Project

Building an Tower PC to Edit Video
(50 marks)

The Project Brief

Your task is to build a PC that will be used to edit HD video and burn the completed files to blank blu-ray disks.

Video editing requires a fairly powerful computer system so you will have to find components with a good specification. A large, high resolution monitor is recommended for video editing.

You have been given a budget of £1200 to purchase the following.

- a tower case
- all the necessary components to fit inside the case
- a blu-ray writer
- a firewire component card to allow video files to be transferred from a digital video camera.
- a 23" LED, wide-screen monitor
- a keyboard and mouse
- surround sound speaker system and sound card
- an operating system
- video editing software



The Report

Your task is to search for all the required hardware and software and then write up a report on your choices.

Your report should include the following pages:

1. A cover page which includes a title, your name and your class.
2. An index page listing all the hardware and software you are going to purchase.
3. A page for each of your purchases.
Each page should include
 - a heading
 - a picture,
 - the price,
 - a brief description and specification,
 - evidence that the purchase is compatible with other components
4. A page listing the price of each device and a total for your purchases.
5. A bibliography listing the websites you used during the project.

Some Advice

To ensure that all your components are compatible it's important that you search for them in the correct order.

Start with the motherboard and case. Each component you then find should be checked to see if it can be fitted to the motherboard or if there is enough space for it in the case.

You may also have to accept that you will have to return to some components and change them. An example of this would be searching for a good sound card but then having to change your mind later because it is not compatible with the operating system you've chosen.

Watch your price. You are looking to purchase decent components but you will very quickly go over the £1200 budget if you are not careful.

Ensure your report is complete. Missing components or information will lose you marks.