

Buying advice: PCs

Whether you're after a top-of-the-range machine or a more modestly specified, budget-price model, our *Buying advice* will guide you through the options available when looking for a new PC



Power PCs: £1,200+

- **Processor** The Athlon XP has proved a real winner, providing top-notch performance without adding to the cost. Go for a top-of-the-range 1900+ chip running at 1.6GHz.
- **Memory** Expect a minimum of 512MB of DDR (double data rate) RAM, though if you shop around you can get even more. But unless you run several applications simultaneously, you won't feel the benefit.
- **Storage** The bare minimum is 60GB, but 80-100GB is not out of the question. You'll also need a speedy CD-RW – most Power PCs offer 16- or 24-speed writing and 10-speed rewriting.
- **Monitor** Unless it has something special to offer, opt for a 19in model. You might also want to consider a flat-panel, which are becoming popular thanks to the lower price of TFT displays.
- **Graphics card** The GeForce 3 Ti 500 is winning hands down in the Power chart, but the ATI Radeon 8500 is also a decent option. Look for at least 64MB DDR RAM.
- **Sound card** Creative's Audigy, with its enhanced audio and FireWire ports, has proved popular, but don't rule out machines sporting the SoundBlaster Live 5.1 card.



Budget PCs: £700-£1,200

- **Processor** Again the Athlon XP has taken over our Budget chart. At this price point a 1700+ chip running at 1.4GHz is acceptable, but obviously if you can scoop up a faster processor without losing out on the other components, do so.
- **Memory** Even in this category 512MB of DDR RAM isn't out of the question, but be careful that this hasn't been put in at the expense of other components. At this price point 256MB is acceptable, but do make sure it is the faster DDR RAM.
- **Storage** A 40GB hard drive will suffice, but this is now the average capacity. You should be able to get 60GB or, if you're really lucky, 80GB. A backup CD-RW drive is almost mandatory and should have minimum read/write/rewrite speeds of 32-/16-/10-speed.
- **Monitor** Size doesn't matter quite so much when money is tighter. You are better off with a good 17in screen, which can reach a minimum resolution and refresh rate of 1,280x1,024 at 85Hz, than a poor 19in model. However, if you can find a decent 19in screen then snap it up.
- **Graphics card** Most graphics cards in the budget range can cope with pretty much anything these days, and only gaming connoisseurs will seek out the really high-end options. You'll get a card with at least 64MB of DDR RAM and the minimum chipset will be a GeForce2/Ti 200.
- **Sound card** Even in the Budget category the Audigy is starting to crop up. It's likely, though, that you'll end up with the trusty Creative SoundBlaster Live 5.1. Avoid onboard audio, unless it's the nForce Crush chipset from nVidia.



Superbudget PCs: under £700

- **Processor** Plenty of PCs feature AMD's new 1600+ processor on board. This chip is extremely fast, but if performance isn't vital to you see what sort of savings you might get by knocking it down to a 1.3GHz or 1.4GHz Athlon chip. Intel chips are another possibility, although the prices will be rather steep for a £699 system.
- **Memory** Prices are dirt cheap, so don't settle for less than 256MB. Pay a little extra now for the faster DDR RAM (rather than SDRAM) and your memory is likely to hold its value better in the coming years.
- **Storage** Gigabytes come easy these days, so demand no less than 30GB, with 40GB preferable. For smooth Windows operation, you could look for a motherboard that features an Ultra ATA-100 interface. A CD-RW drive is a must for the future – look for CD-R/RW performance of at least eight-speed.
- **Monitor** Don't let the manufacturer cut corners on the monitor – bear in mind that this is the one part of your PC that you'll be using continuously. Look for a 17in screen and a dot pitch of 0.25 or 0.24mm – although be aware that even screens with a higher dot pitch can produce a good image.
- **Graphics card** The nVidia GeForce2 Ti cards are excellent value for money, with ATI Radeons and GeForce2 MXs also ideal alternatives under Windows XP.
- **Sound card** Look for a good sound system. The Creative SoundBlaster Live 5.1 card is the perfect choice in this category.