

Input and Output Devices

Video transcript for 'Input and Output Devices'

Input devices are things that put information **IN** to a computer – so, things like a keyboard, a mouse, a microphone or a webcam.

Then there are output devices that feed information **OUT** of a computer – like speakers, a monitor or a printer.

But how do input devices communicate with output devices? Well, all information on computers has to be **digitised** – that means **numerical data**. So all forms of information – images, text, sounds – are converted into a single binary code.

This data, for example, represents the question, “Do you want sprouts with that?”, which turned out to be a terrible idea for selling doughnuts.

It was input by typing on a keyboard, sent as numerical data in an email, output on screen and printed via a printer ...and then shredded.

Or, he could have input it using a wireless keyboard.

Wireless devices communicate using radio waves. When they get close enough, they have a conversation to work out how they're going to interact with each other.

The screen of a smartphone or tablet computer is an input AND output device. You input on the screen through touch, and it outputs through graphics.

Sounds an output too. Fetch! But that's through the speakers. Once you know about input and output devices, you start to recognise them everywhere. Good dog!

There are other input devices that can track and respond to your voice, gestures or movements, and give you helpful feedback and encouragement.

We hope you've enjoyed this output, thank you for your input.