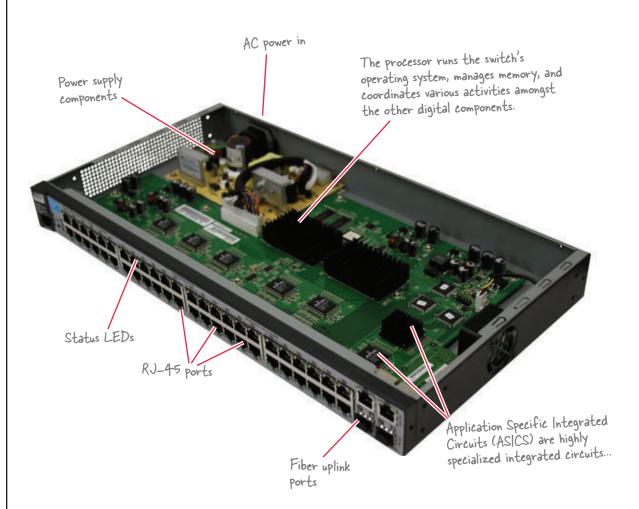
Switches Up Close



Just like a hub, a switch allows us to connect the different machines we want on our network, like computers and printers, for example.

Here's a look inside a switch:



Switches are smart

There's a big difference in how hubs and switches deal with signals. A switch can process signals as frames, and also understands MAC addresses. Instead of repeating incoming signals on all ports, a switch can store packets and forward them to their destinations.

Let's take a closer look at this.

Switches store MAC addresses in a lookup table to keep the frames flowing smoothly

The source workstation sends a frame.

A frame carries the payload of data and keeps track of the time sent, as well as the MAC address of the source and the MAC address of the target.

