# Linux commands to display your hardware information

## Quick reference chart

### This chart summarizes all the commands covered in this article:

|  |  |
| --- | --- |
| Display info about all hardware | **inxi -Fxz**              *--or--*  **hwinfo --short**     *--or--*  **lshw  -short** |
| Display all CPU info | **lscpu**                  *--or--*  **lshw -C cpu**  **lshw -C display** |
| Show CPU features (e.g., PAE, SSE2) | **lshw -C cpu | grep -i capabilities** |
| Report whether the CPU is 32- or 64-bit | **lshw -C cpu | grep -i width** |
| Show current memory size and configuration | **dmidecode -t memory | grep -i size**    *--or--*  **lshw -short -C memory** |
| Show maximum memory for the hardware | **dmidecode -t memory | grep -i max** |
| Determine whether memory slots are available | **lshw -short -C memory | grep -i empty**  (a null answer means no slots available) |
| Determine the amount of video memory | **lspci | grep -i vga**  then reissue with the device number;  for example:  **lspci -v -s 00:02.0**  The VRAM is the *prefetchable* value. |
| Show current memory use | **free -m**    *--or--*  **top** |
| List the disk drives | **lshw -short -C disk** |
| Show detailed information about a specific disk drive | **hdparm -i /dev/sda**  (replace **sda** if necessary) |
| List information about disks and partitions | **lsblk**     (simple)      *--or--*  **fdisk -l**   (detailed) |
| List partition IDs (UUIDs) | **blkid** |
| List mounted filesystems, their mount points,  and megabytes used and available for each | **df -m** |
| List USB devices | **lsusb** |
| List PCI devices | **lspci** |
| Show network card details | **lshw -C network** |
| Show network interfaces | **ifconfig -a**       *--or--*  **ip link show***--or--*  **netstat -i** |
| Display routing tables | **ip route | column -t***--or--*  **netstat -r** |
| Display UEFI/BIOS info | **dmidecode -t bios** |
| Show kernel version, network hostname, more | **uname -a** |