The Raspberry Pi 3 uses a Broadcom BCM2837 SoC with a 1.2 GHz 64-bit quad-core [ARM Cortex-A53](https://en.wikipedia.org/wiki/ARM_Cortex-A53) processor, with 512 KB shared L2 cache.

**SoC:** Broadcom BCM2837  
**CPU:** 4× ARM Cortex-A53, 1.2GHz  
**GPU:** Broadcom VideoCore IV  
**RAM:** 1GB LPDDR2 (900 MHz)  
**Networking:** 10/100 Ethernet, 2.4GHz 802.11n wireless  
**Bluetooth:** Bluetooth 4.1 Classic, Bluetooth Low Energy  
**Storage:** microSD  
**GPIO:** 40-pin header, populated  
**Ports:** HDMI, 3.5mm analogue audio-video jack, 4× USB 2.0, Ethernet, Camera Serial Interface (CSI), Display Serial Interface (DSI)

the Broadcom BCM2837 system-on-chip (SoC) includes four high-performance ARM Cortex-A53 processing cores running at 1.2GHz with 32kB Level 1 and 512kB Level 2 cache memory, a VideoCore IV graphics processor, and is linked to a 1GB LPDDR2 memory module on the rear of the board.

support for multi-threaded operation

<https://www.raspberrypi.org/magpi/wp-content/uploads/2016/02/Sysbench.png>

-https://www.raspberrypi.org/magpi/raspberry-pi-3-specs-benchmarks/

<https://www.raspberrypi.org/blog/raspberry-pi-3-on-sale/>