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1. Raspberry Pi Specification

Model	Version	SoC	Family	ARM family	ARM architecture	ARM core	FPU	CPU Freq	RAM
Raspberry Pi	Zero	Broadcom BCM2835	bcm2708	ARM11	ARMv6	arm1176jzf-s	vfp	1000MHz	512MiB
Raspberry Pi	A	Broadcom BCM2835	bcm2708	ARM11	ARMv6	arm1176jzf-s	vfp	700MHz	256MiB
Raspberry Pi	A+	Broadcom BCM2835	bcm2708	ARM11	ARMv6	arm1176jzf-s	vfp	700MHz	256MiB
Raspberry Pi	B	Broadcom BCM2835	bcm2708	ARM11	ARMv6	arm1176jzf-s	vfp	700MHz	256MiB/512MiB
Raspberry Pi	B+	Broadcom BCM2835	bcm2708	ARM11	ARMv6	arm1176jzf-s	vfp	700MHz	512MiB
Raspberry Pi 2	B	Broadcom BCM2836	bcm2709	Cortex-A (32-bit)	ARMv7-A	cortex-a7	neon-vfpv4	900MHz	1GiB
Raspberry Pi 3	B	Broadcom BCM2837	bcm2710	Cortex-A (64-bit)	ARMv8-A	cortex-a53	neon-fp-armv8	1.2GHz	1GiB
Raspberry Pi 3	B+	Broadcom BCM2837B0	bcm2710	Cortex-A (64-bit)	ARMv8-A	cortex-a53	neon-fp-armv8	1.2GHz	1GiB

1.1. Recommended CFLAGS

Raspberry Pi A, A+, B, B+, Zero:

```
CFLAGS="-O2 -pipe -march=armv6j -mcpu=arm1176jzf-s -mfpu=vfp -mfloat-abi=hard"
```

Raspberry Pi 2:

```
CFLAGS="-O2 -pipe -march=armv7-a -mtune=cortex-a7 -mfpu=neon-vfpv4 -mfloat-abi=hard"
```

Raspberry Pi 3:

```
CFLAGS="-O2 -pipe -march=armv8-a+crc -mtune=cortex-a53 -mfpu=neon-fp-armv8 -mfloat-abi=hard -mneon-for-64bits"
```

From:
https://irdya.top/ - **漂流記**

Permanent link:
https://irdya.top/en/misc/rpi_spec

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