

There are four revisions of the Archer C8, with v1 and v2 supported by DD-WRT.
WARNING: OEM reversion capability is still questionable.

Contents

- [1 Hardware Specifications](#)
- [2 Serial Boot Log info](#)
 - ◆ [2.1 CFE memory report](#)
 - ◆ [2.2 MTD partitions](#)
- [3 Revert to OEM Firmware](#)
- [4 Reset](#)
- [5 Installation](#)
- [6 Recovery Mode](#)
- [7 Notes](#)

Hardware Specifications

FCC ID	TE7C8
Industry Canada ID	8853A-C8
Power	12 VDC, 3.3 A
CPU	Broadcom BCM4708 @800 MHz
Architecture	ARM Cortex A9 (2 cores)
RAM / Flash (ROM)	128 MiB / 16 MiB
Switch	Broadcom BCM4708
LAN/WAN ports	4 /1 @ 1 Gb/s
USB Ports	1x USB 2.0, 1x USB 3.0
Serial	internal, 4-pin header, 3.3V TTL
WI1 chip	Broadcom BCM4360
WI1 protocols	an+ac
WI1 MIMO config	3x3:3
WI1 antenna connector	U.FL, RP-SMA
WI2 chip	Broadcom BCM4331
WI2 protocols	bgn
WI2 MIMO config	3x3:3
WI2 antenna connector	U.FL, RP-SMA

- The unsupported v4 has 128 MiB flash but otherwise appears to have the same specifications.

Serial Boot Log info

From the [OpenWRT wiki](#):

CFE memory report

```
Tot mem: 131072 KBytes
CFE mem: 0x00F00000 - 0x00FCC810 (837648)
Data: 0x00F414A8 - 0x00F418F4 (1100)
BSS: 0x00F41900 - 0x00F66810 (151312)
Heap: 0x00F66810 - 0x00FCA810 (409600)
Stack: 0x00FCA810 - 0x00FCC810 (8192)
Text: 0x00F00000 - 0x00F396D4 (235220)
```

MTD partitions

```
Creating 5 MTD partitions on "bcmsflash":
0x0000000000000-0x000000040000 : "boot"
0x000000040000-0x000000240000 : "linux"
0x000000240000-0x000000ee0000 : "rootfs"
0x000000fe0000-0x000000ff0000 : "radio"
0x000000ff0000-0x000001000000 : "nvram"
```

This means that DD-WRT firmware must be smaller than $0xee0000-0x40000 = 14976$ KB (14.625 MB).

- Do not flash builds **after 33986** nor **before 35452**. They are too big and can overwrite the 'radio' partition!

Revert to OEM Firmware

WARNING: There is no webrevert file, and the other method to flash the C8 back to OEM has had mixed results.

- A couple user's reported reverting to stock using a specific IP address and file name (see procedure).

Reset

Do not 30-30-30 reset ARM devices!

- Use the GUI, or hold the Wi-Fi button to reset the C8.
- If the GUI cannot be accessed after setting a password, try enabling https via telnet.

Installation

Tested: TP-Link Archer C8 V1 with TP-Link firmware: Archer C8_V1_150515

1. Download DD-WRT firmware: [factory-to-ddwrt.bin](#)
 2. "Reset to factory defaults" via the OEM Archer GUI.
 3. Also from the Archer GUI, upload the factory-to-ddwrt.bin file.
 4. Wait at least one minute
 5. Access DD-WRT GUI at 192.168.1.1, set password, then GUI reset (*Admin->Factory Defaults*) again
- v2 should use the same process, and the 'v1' file.
 - [33006](#) has also been tested.
 - v3 is an EU model. There is [one report](#) of a v3 running DD-WRT, but with no details.
 - No reports of a v4 (also EU). **Warning**: v4 has different flash size from v1-3.

More information and alternate download locations: [FAQ: Where do I download firmware?](#)

Recovery Mode

The **v3 and v4** CFE has a built-in Webpage Firmware Recovery mode for bricked routers: see [TP-Link article](#).

It may be possible to retrofit a v3 CFE onto v1/v2 models, **but this is untested**.

Notes

Forum model thread: [Support for TP-Link Archer C8](#)