

## Fairphone 2 Technical Specifications

### Operating system

**Operating System** Android™ 5.1, Lollipop

### Base platform

**Processors** Snapdragon™ 801  
**Main SOC** Qualcomm® MSM8974AB-AB  
**Application Processor** Quad-Core 2.26 GHz  
 Qualcomm Krait 400  
**GPU** Qualcomm Adreno 330  
 GPU 578 MHz  
**RAM** 2 GB LPDDR3 @ 931 MHz  
**Flash Storage** 32GB eMMC5

### Networks

**Configuration** Dual-SIM, Dual-Standby (DSDS)  
**SIM Sockets** 2 x Micro-SIM (3FF)  
**Network Technology** 2G / 3G / 4G LTE - Advanced  
**GSM/GPRS/EDGE** Quad-band: 850, 900, 1800, 1900 MHz  
**WCDMA** Band 1 (2100 MHz)  
 Band 2 (1900 MHz)  
 Band 8 (900 MHz)  
**3G Max Downlink Speed** Cat. 24 - 42.2 Mbps  
**3G Max Uplink Speed** Cat. 7 - 11.5 Mbps  
**4G / LTE Advanced** Band 3 (1800 MHz)  
 Band 7 (2600 MHz)  
 Band 20 (800 MHz)  
**4G Max Downlink Speed** Cat. 4 - 150 Mbps  
**4G Max Uplink Speed** Cat. 4 - 50 Mbps  
**Specific Absorption Rate (SAR)** To be confirmed (Expected Sep. 2015)

### Display

**Display Size** 5 inch Full HD  
**Cover Glass** Gorilla Glass (3 - 0.7 mm thick)  
**Display Type** LCD TFT / IPS  
**Resolution** 1080 × 1920  
**Pixel Density** 446 ppi

### Interface and connectors

**Buttons** Power, Volume, Camera (Programmable)  
**USB Type** Micro-B 2.0  
**MicroSD Support** SDHC, SDXC, UHS  
**Notification LED** 3-color  
**Expansion Port** Backside - connectivity to external case  
**Expansion Port Type** USB 2.0 Device Interface + Power Input

### Main camera

**Main Camera** 8MP CMOS Sensor with flash  
**Sensor Type** Omnivision OV8865 (Back Side Illuminated)  
**Image sensor size** 1/3.2 inch  
**Pixel Size** 1.4 μm x 1.4 μm  
**F-number** f 2.8

### Audio

**Receiver** Hearing Aid Compatible (HAC) according to ANSI C63.19-2006  
**Speaker** Built-in, Rear-facing  
**Headset Jack** 3.5 mm  
**Headset Jack configuration** CTIA-Standard (TRRS: LH/RH/GND/MIC)  
**Vibration Motor** With Haptics Feedback  
**Dual Microphones**

### Connectivity and sensors

**WLAN** IEEE 802.11 b/g/n/ac  
**WLAN Bands** 2.4 GHz and 5 GHz  
**WLAN Maximum Data Rate** Up to 433 Mbps (802.11 ac)  
**Bluetooth** 4.0 LE and earlier  
**GPS / GNSS** GPS, A-GPS, Glonass  
**FM Radio** RX  
**Sensors** Ambient Light, Proximity, 3-axis Compass, 3D Accelerometer, 3D Gyroscope

## Fairphone 2 Technical Specifications cont.

### Dimensions and weight

<b>Length</b>	143 mm
<b>Width</b>	73 mm
<b>Thickness</b>	11 mm (back of case to top of glass)
<b>Weight</b>	148 g (phone) + 20 g (external case)

### Battery and power

<b>Removable Battery Pack</b>	2420 mAh at 3.8 V (9.2 Wh)
<b>Battery Pack Cell</b>	Maxell Lithium-Ion

**This document was created in July 2015.** Specifications are subject to minor changes before production begins.