

# Fairphone 5 Technical specifications

## Design

|            |                          |
|------------|--------------------------|
| Colour     | Black, Transparent, Blue |
| Dimensions | 161.60 mm x 75.83 mm     |
| Thickness  | 9.6 mm                   |
| Weight     | 212 g                    |
| IP rating  | IP 55                    |

## Display

|              |   |
|--------------|---|
| Technology   | POLED   |
| Size         | 6.46 inches                                       |
| Resolution   | 1224x2770   |
| Aspect ratio | 9x20  |
| Density      | 459 ppi   |
| No of colors | 16,7M   |
| Glass        | Corning Gorilla Glass 5<br>0.7mm, fully laminated |

## OS

Android™ 13

## Performance

|                 |   |
|-----------------|---|
| Chipset         | QCM 6490  |
| Processor type  | 1 Gold + 3 Gold + 4 x<br>Silver Processor Cores |
| Processor speed | 2.7/2.4/1.9 GHz                                 |
| GPU             | Adreno 642L @ 812MHz                            |
| RAM             | 256GB   |
| Int. memory     | 8GB   |
| Ext. memory     | SDXC(up to 2TB)                                 |

## Battery

|   |
|---|
| 4200 mAh, removable Li-ion                    |
| 50% charge in 20 min with<br>min. 30W charger |
| 459 hours whilst idle                         |
| 38.46 hours Talk Time                         |

## SAR values

|                           |
|---------------------------|
| Max SAR head= 0.402 W/Kg  |
| Max SAR body = 0.847 W/Kg |
| Max SAR limb = 0.847W/Kg  |

|                 |                         |
|-----------------|-------------------------|
| Bluetooth       | 5.2 + LE                |
| NFC             | Yes                     |
| USB             | USB 3.0 with OTG        |
| USB connector   | Type C                  |
| Dual band Wi-Fi | 2.4Ghz + 5Ghz +<br>6Ghz |
|                 | 802.11 a/b/g/n/ac/ax    |
|                 | WiFi direct support     |

|                  |                   |
|------------------|-------------------|
| Display port     | Yes               |
| Accelerometer    | Yes               |
| Gyroscope        | Yes               |
| Proximity        | Yes               |
| E-Compass        | Yes               |
| Fingerprint      | Yes, side-mounted |
| Face recognition | Yes               |

## Media & Audio

|          |           |
|----------|-----------|
| Minijack | No, USB-C |
| Speaker  | Dual SPK  |

## Network

### 5G

|  |
|--|
| Max download speed: 2.3Gbps  |
| Max upload speed: 200Mbps  |
| Sub NSA bands: n1/n2/n3/n5/<br>n7/n8/n20/n28/n38/n41/n48/<br>n66/n71/n77/n78 |

### 4G (LTE)

|   |
|---|
| Max download speed: 1.2Gbps                                   |
| Max upload speed: <b>5.76Mbps</b>                             |
| 4 x 4 MIMO support  |
| VoLTE + VoWiFi  |
| LTE bands: 1/2/3/4/5/7/8/12/20/<br>28/32/38/40/41/42/48/66/71 |

### 3G (HSPA+)

|                            |
|----------------------------|
| Max download speed: 42Mbps |
| Max upload speed: 5.76Mbps |
| Bands: 1/2/5/8             |
| HSDPA Cat. 24              |
| HSUPA Cat. 6               |

### 2G (GMS, GPRS, EDGE)

|                       |
|-----------------------|
| 850/900/1800/1900 Mhz |
|-----------------------|

### Dual SIM

|  |
|--|
| 1 x Nano-SIM slot, 5G enabled  |
| 1 x eSIM, 5G enabled<br>(only one SIM card can be<br>active on 5G at a time) |

## Cameras

### Primary

|                |   |
|----------------|---|
| Resolution     | 50MP (12.5MP output)                    |
| Sensor size    | 1/1.56" (IMX800)                        |
| Image size     | 8192x6144                               |
| Aperture       | F1.88                                   |
| Autofocus type | Open Loop                               |
| Sensors        | TOF sensor                              |
| OIS            | Yes                                     |
| Flash type     | Single LED                              |
| Digital zoom   | Up to 20                                |
| Video capture  | 1080p at 60fps<br>4K at 30fps<br>240fps |
| Slow-motion    |   |

### Ultra-Wide

|            |                    |
|------------|--------------------|
| Resolution | 50MP               |
| Image size | 4096x3072 (12.6MP) |

|               |                  |
|---------------|------------------|
| Aperture      | F2.2             |
| Focus         | Fixed Focus      |
| Viewing angle | 117              |
| Sensors       | TOF sensor       |
| Flash type    | Single LED flash |

### Selfie

|                |                       |
|----------------|-----------------------|
| Resolution     | 50MP with HDR support |
| Sensor size    | 1/2.76" (JN1)         |
| Sensors        | JN1                   |
| Aperture       | F2.45                 |
| Autofocus type | Fixed Focus           |
| EIS            | Yes                   |
| Digital zoom   | 1.5x                  |
| Video capture  | 4k at 30fps           |