# The Fairphone (Gen. 6)

**Brand :** Fairphone

**Product family:** Fairphone (Gen. 6)

**Product code:** F6FPHN-2ZW-EU1

**Product name :** The Fairphone (Gen. 6)





- Beyond future-proof. Backed by a 5-year warranty and 8 years of software support.
- Built to outlast. Durable by design—drop-tested, scratch-resistant Gorilla Glass 7i, and IP55 rainproof.
- Iconically modular. Replaceable modules, integrated accessories and an elevated design that just feels right.

6.3", Full HD, 1116 x 2484p, LTPO P-OLED, 8/256 GB, 13+ 50MP, 32MP, Dual SIM (nano-SIM + eSIM, both 5G enabled), Wi-Fi 6E, Bluetooth 5.4, NFC, 4415 mAh, Android 15, Horizon Black, 193g

The (Gen. 6). Display diagonal: 16 cm (6.31"), Display resolution: 1116 x 2484 pixels. Processor family: Snapdragon, Processor model: 7s Gen 3. RAM capacity: 8 GB, RAM type: LPDDR5, Internal storage capacity: 256 GB. Rear camera resolution (numeric): 50 MP, Rear camera type: Dual camera. SIM card capability: Dual SIM. Operating system installed: Android 15. Battery capacity: 4415 mAh. Product colour: Black. Weight: 193 g

| Display | |
|---|---|
| Display diagonal * | 16 cm (6.31") |
| Screen shape | Flat |
| Panel type | P-OLED |
| Display glass type | Gorilla Glass |
| Gorilla Glass version | Gorilla Glass 7i |
| Display resolution * | 1116 x 2484 pixels |
| Display number of colours | 1.07 billion colours |
| Native aspect ratio | 20:9 |
| Contrast ratio (typical) | 1000000:1 |
| Maximum refresh rate | 120 Hz |
| Touch response rate | 240 Hz |
| Display brightness | 800 cd/m² |
| Maximum display brightness (Outdoor) | 1400 cd/m² |
| Pixel density | 431 ppi |
| Oleophobic coating | ✔ |

| Processor | |
|---|---|
| Processor family * | Snapdragon |
| Processor model * | 7s Gen 3 |
| Processor cores | 8 |
| Performance cores | 4 |
| Efficient cores | 4 |
| Processor boost frequency | 2.5 GHz |

| Network | |
|---|---|
| Wi-Fi standards | 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax) |
| Bluetooth * | ✔ |
| Bluetooth version | 5.4 |
| Bluetooth Low Energy (BLE) | ✔ |
| aptX technology | ✔ |
| Wi-Fi Direct | ✔ |
| Modulation | PWM |
| Near Field Communication (NFC) | ✔ |

| Ports & interfaces | |
|---|---|
| USB connector type | USB Type-C |
| USB version | 2.0 |
| Headphone connectivity | USB Type-C |

| Navigation | |
|---|---|
| GPS (satellite) | ✔ |
| GLONASS | ✔ |
| BeiDou | ✔ |
| Galileo | ✔ |
| Electronic compass | ✔ |
| Position location * | ✔ |

## Storage

| | |
|---|---|
| RAM capacity * | 8 GB |
| RAM type | LPDDR5 |
| Internal storage capacity * | 256 GB |
| Compatible memory cards * | MicroSD (TransFlash) |
| Maximum memory card size | 2 TB |

## Camera

| | |
|---|---|
| Rear camera sensor size | 1/1.56" |
| Second rear camera sensor size | 1/3.06" |
| Rear camera resolution (numeric) * | 50 MP |
| Second rear camera resolution (numeric) | 13 MP |
| Second rear camera aperture number | 2.2 |
| Rear camera pixel size | 1 µm |
| Second rear camera pixel size | 1.12 µm |
| Second rear camera lens elements | 5-element lens |
| Digital zoom | 10x |
| Front camera type * | Single camera |
| Front camera resolution (numeric) * | 32 MP |
| Rear camera flash * | ✔ |
| Front camera flash | ✔ |
| Flash type | LED |
| Sensor type | Sony LYTIA 700C |
| Optical sensor size | 25.4 / 1.56 mm (1 / 1.56") |
| Video capture resolution (max) | 3840 x 2160 pixels |
| Maximum frame rate | 60 fps |
| Resolution at capture speed | 1280x720@120fps, 1280x720@30fps, 1280x720@60fps, 1920x1080@30fps, 1920x1080@60fps, 3840x2160@30fps |
| Video recording modes | 720p, 1080p, 2160p |
| Rear camera type * | Dual camera |
| Auto focus | ✔ |
| Time lapse mode | ✔ |
| Image stabilizer | ✔ |
| Image stabilizer type | Electronic Image Stabilization (EIS), Optical Image Stabilization (OIS) |
| Night mode | ✔ |
| Panorama | ✔ |
| Portrait mode | ✔ |
| Macro photography | ✔ |
| Slow motion mode | ✔ |
| Slow motion rate | FHD 1080: 120fps HD 720P: 240fps, 120fps |

## Network

| | |
|---|---|
| SIM card capability * | Dual SIM |
| Mobile network generation * | 5G |
| SIM card type * | NanoSIM + eSIM |
| Top Wi-Fi standard * | Wi-Fi 6E (802.11ax) |

## Design

| | |
|---|---|
| Form factor * | Bar |
| Product colour * | Black |
| Colour name | Horizon Black |
| Protection features | Drop proof, Impact resistant |

## Performance

| | |
|---|---|
| Video call | ✔ |
| Fingerprint reader | ✔ |
| Face recognition | ✔ |
| USB On-The-Go support | ✔ |

## Multimedia

| | |
|---|---|
| Speakers | stereo |
| Audio formats supported | AAC, SBC, apt-X |

## Software

| | |
|---|---|
| Platform * | Android |
| Operating system installed * | Android 15 |
| Software update term | 2033 |

## Battery

| | |
|---|---|
| Battery technology | Lithium-Ion (Li-Ion) |
| Removable battery | ✔ |
| Battery endurance in cycles * | 1000 |
| Battery capacity * | 4415 mAh |
| Browsing time (Wi-Fi) (max) | 12 h |

## Sensors

| | |
|---|---|
| Proximity sensor | ✔ |
| Accelerometer | ✔ |
| Ambient light sensor | ✔ |
| Gyroscope | ✔ |
| Barometer | ✔ |
| Hall sensor | ✔ |

## Power

| | |
|---|---|
| USB Type-C charging port * | ✔ |

## Endurance

| | |
|---|---|
| Energy efficiency class * | A |
| Energy efficiency scale | A to G |
| Battery endurance per cycle * | 3233 min |
| Repeated free fall reliability class * | A |
| Repairability class * | A |
| Repairability index | 9.3 |
| International Protection (IP) code * | IP55 |

## Weight & dimensions

| | |
|---|---|
| Width | 73.3 mm |
| Depth | 9.6 mm |
| Height | 156.5 mm |
| Weight * | 193 g |

## Packaging content

| | |
|---|---|
| Screen protector | ✔ |
| Protective case | ✔ |

## Specific absorption rate (SAR)

| | |
|---|---|
| Head SAR (EU) | 0.487 W/kg |
| Body SAR (EU) | 1.388 W/kg |
| Extremities SAR (EU) | 1.388 W/kg |

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**Catalog Object Cloud**

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