

Fairphone 4 Tech Specs

Operating system	Android™ 11
Performance	Qualcomm Snapdragon 750G (SM7225) 64-bit Octa-Core processor Processor speed up to 2.2GHz Qualcomm Adreno 619 GPU
Storage	6GB/8GB RAM • 128GB/256GB internal storage External storage capacity: microSD up to 2TB (SD 3.0)
Battery	3905 mAh removable Li-ion battery 200 hours whilst idle 13 hours with phone calls 50% charge in 30min with minimum 20W charger
Display	6.3 inch Full HD+ LCD (IPS) touchscreen with Pixelworks technology 19.5:9 aspect ratio 1080 x 2340 resolution 410ppi pixel density Corning Gorilla Glass 5, 0.7mm, fully laminated No. of colors: 16.7 million
Cameras	Dual 48MP rear cameras • F/1.6 and F/2.2 25MP selfie camera • F/2.2 with HDR support Primary Camera - OIS Camera with laser AF 48 megapixels resolution with 48 megapixel output 0.8um, 8000x6000 (48MP) Dual LED flash, detected single tone 1/2" sensor f1.6 aperture Autofocus (Closed Loop) Image Sensor IMX582 Optical Image Stabilization (OIS / SMA) Color Sensor and TOF sensor Up to 8x digital zoom Max video resolution 4000 x 3000 (4K UHD) Video capture 1080p at 30/60 fps 4K video resolution at 30 fps Slow-motion at 120 fps and 240 fps Sub Camera - Ultra-Wide with Macro focus 48MP resolution 0.8um, 8000x6000 (48MP) 1.6um, 4000x3000 (12MP output) Macro focus Autofocus Color Sensor and TOF sensor 120 degree angle

f2.2 aperture
Dual-tone LED flash

Selfie Camera

25 megapixel resolution with HDR support
Image sensor IMX576
1/2.78" sensor
f2.2 aperture
Digital Image Stabilization
Fixed focus
Color Sensor and TOF sensor
Up to 8x digital zoom
Video capture 1080 at 30fps

Wireless & location

Wi-Fi dual band (2.4 GHz + 5 GHz)
Bluetooth® 5.1 + LE
NFC
WiFi 802.11 a/b/g/n/ac
WiFi direct support
GNSS standards: GPS, Glonass, Galileo, Beidou
A-GPS support
Max SAR head (W/kg (10g)) = 0.494 W/Kg
Max SAR body (W/kg (10g)) = 0.993 W/Kg
Max SAR limb (W/kg (10g)) = 2.916W/Kg

Network

Dual SIM, both 5G enabled
One physical Nano-SIM slot (4FF), 5G enabled*
One eSIM, 5G enabled*

* Only one SIM card slot can be active on 5G radio technology at a time

5G

Downlink: 2.3Gbps
Uplink: 200Mbps
5G supported bands
Sub 6 NSA bands: n1/n3/n5/n7/n8/n20/n28/n38/n41/n71/n77/n78

4G (LTE)

Downlink: Cat. 18 / 1.2 Gbps
Uplink: Cat. 13 / 150 Mbps
MIMO - 4x4
4CA Carrier Aggregation
VoLTE + VoWiFi (depending on local network)
4G supported bands: 1/2/3/4/5/7/8/12/18/19/20/28/32/38/40/41/71
Max download speed 1.2Gbps
Max upload speed 150Mbps

3G (HSPA+)

HSDPA - Cat. 24
HSUPA - Cat. 6
3G supported bands: 1/2/4/5/8
Max download speed 42Mbps
Max upload speed 5.76Mbps

2G (GMS, GPRS, EDGE)

2G supported frequencies: 850/900/1800/1900 Mhz

Connectors & sensors

USB Type - C
Fingerprint scanner
USB 3.0 with OTG
Display Port Support
Accelerometer
Gyroscope
Proximity
E-Compass
Side-mounted fingerprint sensor

Media & audio

USB Type C
Dual SPK, External speaker loudness: 98db at 10cm
External Display, Video out support via Miracast (WiFi) or DisplayPort (wired via USB-C port)

Supported video codecs

HEVC, H264, VP9, MPEG-2, H.263, Divx, Xvid

Supported audio codecs

AAC, LC, AAC+, eAAC+, AAC ELD, AMR-NB, AMR-WB, FLAC, MP3, Opus, WAV, Vorbis, ALAC, AIFF, AP

Design

Unique modular design with IP54
Length 162 mm
Width 75.5 mm
Thickness 10.5 mm
Weight 225g
Drop test according to MIL810G test standard

Variants

6GB RAM and 128 GB internal storage; Color: Grey
8GB RAM and 256 GB internal storage; Color: Grey, Green