The Fairphone (Gen. 6)

Brand : Fairphone

Product family: Fairphone (Gen. 6)

Product code: F6FPHN-2GR-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, Forest Green, 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: Green. 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 *	Green
Colour name	Forest Green
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 *	3203 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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