

# Fairphone 4 Spare Parts

Sell-in Document Rev1 Edit Oct 14, 2021



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## Revision control

Date	Description	Reviewer
14 Oct 2021	- Initial document - Imagery	VK

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## Product ID

Full product name	SKU Description	SKU	EAN
Fairphone 4 Battery	FP4 Battery v1, Li-I 3905 Mah	F4BATT-1ZW-WW1	8718819377122
Fairphone 4 Display Grey	FP4 Display v1, Grey	F4DISP-1DG-WW1	8718819377146
Fairphone 4 Display Green	FP4 Display v1, Green	F4DISP-1GR-WW1	8718819377139
Fairphone 4 Rear Cameras	FP4 Camera v1, 48/48MP	F4CAMR-1ZW-WW1	8718819377191
Fairphone 4 Selfie Camera	FP4 Selfie Cam v1, 25MP	F4SELF-1ZW-WW1	8718819377184
Fairphone 4 Back Cover Grey	FP4 Cover v1, Grey	F4COVR-1DG-WW1	8718819377153
Fairphone 4 Back Cover Green	FP4 Cover v1, Green	F4COVR-1GR-WW1	8718819377160
Fairphone 4 Back Cover Green Speckled	FP4 Cover v1, Green Spck	F4COVR-1GS-WW1	8718819377177
Fairphone 4 USB-C Port	FP4 USB-C Port v1	F4USBC-1ZW-WW1	8718819377214
Fairphone 4 Loudspeaker	FP4 Loudspeaker v1	F4LDSP-1ZW-WW1	8718819377207
Fairphone 4 Earpiece	FP4 Earpiece v1	F4EASP-1ZW-WW1	8718819377221

Translations Product Naming					
English	German	French	Dutch	Italian	Spanish
Spare parts	Ersatzteile	Pièces détachées	Onderdelen [Reserve onderdelen]	Moduli di ricambio	Partes de repuesto
Battery	Batterie	Batterie	Batterij	Batteria	Batería

Display Green	Display Grün	Écran vert	Display groen	Schermo - Verde	Pantalla verde
Display Grey	Display Grau	Écran gris	Display grijs	Schermo - Grigio	Pantalla gris
Back cover	Rückseite	Couverture arrière	Achterkant	Cover posteriore	Cubierta trasera
Selfie Camera	Selfie Kamera	Caméra selfie	Selfie camera	Fotocamera selfie	Cámara selfie
Rear Cameras	Hauptkamas	Caméras principales	Hoofdcamera's	Fotocamera principale	Cámaras traseras
Loudspeaker	Lautsprecher	Haut-parleur	Luidspreker	Altoparlante vivavoce	Altavoz
USB-C port	USB-C Anschluss	Port USB-C	USB-C poort	Porta USB-C	Puerto USB-C
Earpiece	Hörmuschel	Haut-parleur d'oreille	Oorluidspreker	Altoparlante orecchio	Altavoz Auricular

## Product Specifications

What's in the box?	<ul style="list-style-type: none"><li>One unit spare part</li><li>Health &amp; Safety Guide</li></ul>
Compatibility	<p>These spare parts are only compatible with all variants of Fairphone 4 5G.</p> <p>This includes the 6GB/128GB variant and 8GB/256GB variant.</p>

## Specific Battery Specifications

### Specifications








No. 序号	Item 测试项目	Performance 性能参数		Remark 备注
1	Capacity 容量	Typical / 典型	3905mAh	Discharge at 0.2C to 3.00V after standard charge. 标准充电后, 使用 0.2C 的电流放电到 3.00V。
		Minimum / 最小值	3840mAh	
2	Nominal Voltage 标称电压	3.85V		Operation voltage during standard discharge. 标准放电过程的工作电压值
3	Cut-off Voltage 放电终止电压	3.0V		Cut-off Voltage 放电终止电压
4	Charging Voltage 充电电压	4.4V		
5	AC internal Impedance 交流内阻	$\leq 120\text{m}\Omega$		AC 1KHz after standard charge 标准充电后 AC 1KHz 测试
	DC internal Impedance 直流内阻	$\leq 300\text{m}\Omega$		measurement at SOC $\approx$ 60-80%
6	Standard Charge 标准充电	CC / CV: 4.40V / 0.2C charging till to the current decline to 0.02C, at 23°C. 恒流 / 恒压: 4.40V / 0.2C 充电直到电流下降到 0.02C, 环境温度 23°C		Charge time: Approx 6.0h. 充电时间: 大约 6 小时
7	Standard Discharge 标准放电	Discharge continuously with 0.2C to 3.00V. 使用恒流 0.2C 的电流连续放电到 3.00V。		
8	Fast Charge 快速充电	CC / CV: 4.40V / 0.5C charging till to the current decline to 0.02C, at 23°C. 恒流 / 恒压: 4.40V / 0.5C 充电直到电流下降到 0.02C, 环境温度 23°C		Charge time: Approx 3.0h. 充电时间: 大约 3 小时
9	Fast Discharge 快速放电	Discharge continuously with 0.5C to 3.00V. 使用恒流 0.5C 的电流连续放电到 3.00V。		
10	Max. Charge Current 最大充电电流	0-10°C		0.2Cmin to 4.4V, then CV to 0.02C min
		10-45°C		1.2Cmin Max to 4.25V, 0.5C min to 4.4V, then CV to 0.05C min
		45-60°C		0.5Cmin Max to 4.1V, then stop
11	Max. Continuous Discharge Current	-20-0°C		0.2C min Max to 3.0V

Battery components

No. 序号	Item 项目	Components Descriptions 零件描述	Remark 备注
1	Li-ion Polymer Cell 锂离子聚合物电池	594484 3905mAh 3.85V	ATL
2	PCM / 保护板	R5442L120KR +CJAE2002*2 + 10k NTC+ID 82K 1%	
3	Connector 连接器	宇亮泓铮 2.0-4P(符合 5A 电流) 镀金≥0.0762um	
4	Frame 框架	ABS+PC 黑色	
5	Steel disc 钢片	F4AC1 钢片 硬度 4/3	
6	Label 标贴	F4AC1 专用标贴 合成纸+哑膜	

Packaging Specifications

Material & Color	<ul style="list-style-type: none"><li>FSC certified paper material</li><li>Soy-based printing ink</li><li>Free of single-use plastic</li><li>Carton box is black</li><li>Sleeve full print colour.</li></ul>
Measurements	See table below
Seal	No closing seal

Spare Part Product			SKU#	Descriptions	Model Name	EAN	Net weight	Gross Weight	Packaging Dimensions		
									Height	Thickness	Width
Display Grey			F4DISP-1DG-WW1	FP4 Display v1, Grey	DISP-1DG	8718819377146	57.6g	90.0g	221mm	11mm	100mm
Display Green			F4DISP-1GR-WW1	FP4 Display v1, Green	DISP-1GR	8718819377139	57.6g	90.0g	221mm	11mm	100mm
Back Cover Grey			F4COVR-1DG-WW1	FP4 Cover v1, Grey	COVR-1DG	8718819377153	15.8g	48.7g	221mm	8mm	100mm
Back Cover Green			F4COVR-1GR-WW1	FP4 Cover v1, Green	COVR-1GR	8718819377160	15.8g	48.7g	221mm	8mm	100mm
Back Cover Green Speckled			F4COVR-1GS-WW1	FP4 Cover v1, Green Spck	COVR-1GS	8718819377177	15.8g	48.7g	221mm	8mm	100mm
Battery			F4BATT-1ZW-WW1	FP4 Battery v1, Li-I 3905 Mah	F4AC1	8718819377122	63.7g	84.7g	148mm	11mm	69mm
Rear Cameras			F4CAMR-1ZW-WW1	FP4 Camera v1, 48/48MP	CAMR-1	8718819377191	9.0g	28.1g	148mm	11mm	69mm
Loudspeaker			F4LDSP-1ZW-WW1	FP4 Loudspeaker v1	LDSP-1	8718819377207	5.0g	24.1g	148mm	9mm	69mm
Selfie Camera			F4SELF-1ZW-WW1	FP4 Selfie Cam v1, 25MP	SELF-1	8718819377184	0.3g	19.4g	148mm	8mm	69mm
USB-C Port			F4USBC-1ZW-WW1	FP4 USB-C Port v1	USBC-1	8718819377214	0.7g	19.8g	148mm	8mm	69mm
Earpiece			F4EASP-1ZW-WW1	FP4 Earpiece v1	EASP-1	8718819377221	1.1g	20.2g	148mm	8mm	69mm

## Product lifecycle

<b>Launch date</b>	September 30, 2021 as part of announcing Fairphone 4
<b>Phase-out date</b>	We aim to make these spare parts available during the entire 5-year warranty proposition. This means we aim to have these spare parts available for the sales until the end of 2028.

## Commercial information

	RRP	MoQ & Multiples
<b>Battery</b>	29.95 €	<b>10</b>
<b>Display</b> Grey / Green	79.95 €	<b>8</b>
<b>Rear Cameras</b>	79.95 €	<b>10</b>
<b>Selfie Camera</b>	29.95 €	<b>14</b>
<b>Back Cover</b> Grey/Green/GreenSpeckled	19.95 €	<b>14</b>
<b>USB-C Port</b>	14.95 €	<b>14</b>
<b>Loudspeaker</b>	19.95 €	<b>12</b>
<b>Earpiece</b>	14.95 €	<b>14</b>



## Marketing information

<b>Visuals</b>	<p>All official product imagery can be found via this link to view and download <a href="https://brand.fairphone.com/c/491220/TM9eTVz7">https://brand.fairphone.com/c/491220/TM9eTVz7</a></p>
<b>Intro text</b>	<p><b>Fairphone 4 - a modular smartphone designed to last.</b></p> <p>The longer our customers keep their phones, the smaller their CO2 footprint becomes. Therefore, Fairphone designs for longevity, easy repair and ensures that customers enjoy using their phone for as long as possible. The average smartphone lifespan is 2.5 years, while 82% of a smartphone's emissions comes from its production! Fairphone wants to offer an alternative, a phone you can keep at least five years, using a modular design of nine parts allowing for easy and affordable repairs.</p> <p><b>Yours to open, Yours to keep.</b></p> <p>You don't need to be an expert to swap out the battery or display. It only takes 8 screws and a few minutes to repair a broken display yourself. No part of Fairphone 4 is glued shut, so you can choose to easily repair it yourself with a standard screwdriver.</p> <p>Good for the world, easy on your wallet.</p> <p><b>Fairphone 4</b> (variant 6GB/128GB) <b>received 9.3 out of 10 repairability score.</b> Based on the French Repairability Index to help show you how repairable electronic devices are.</p>
<b>Battery</b>	<p><i>[Short &amp; to the point]</i></p> <p>The original Fairphone 4 battery combines all-day power (3905mAh) and fast-charging with our dedication to integrate fair cobalt and responsible lithium into the supply chain.</p> <p><i>[Longer &amp; branded]</i></p> <p>The original Fairphone 4 battery has a lot going for it. It reliably keeps your phone up and running all day long. It comes with convenient fast-charging technology that jumpstarts you back to 50% of its 3905mAh</p>

	<p>capacity in half an hour (when using chargers with a 20W minimum).</p> <p>And it's probably the world's easiest and fastest spare part replacement. When the time comes to replace your battery, you don't have to be an expert to swap it out in only a few seconds.</p> <p>But wait, there's more than meets the eye. Behind the scenes, we're innovating where it counts: We're working with the Fair Cobalt Alliance to integrate fair cobalt and responsible lithium into the supply chain.</p> <p>About as fair as they come! Pro-tip: Works great as a spare-battery too, if you're on the go and need to double your battery-life.</p>
<b>Display (both color variants)</b>	<p><i>[Short &amp; to the point]</i> The Fairphone 4 display is bright, sharp and easy on the eyes. The replaceable 6.3' Full HD+ screen with Pixelworks technology makes for an immersive viewing experience that's protected against drops and scratches with Corning Gorilla Glass 5.</p> <p><i>[Longer &amp; branded]</i> The most sustainable phone is the one that lasts - and that goes for the display as well. So we designed the brilliant 6.3' Full HD+ screen to give you an immersive viewing experience, that's easy on the eyes and easy on the planet. It has built in drop and scratch resistance, thanks to super tough Corning Gorilla Glass. But get this - if you do ever manage to break your Fairphone 4's display, you can just replace it yourself. At home, with a single screwdriver, in a couple of minutes. It comes with a grey or green protective rim, to complement the sleek aluminium sides of your Fairphone 4 - or feel free to mix and match the colors.</p>
<b>Rear Cameras</b>	<p><i>[Short &amp; to the point]</i> The Fairphone 4 rear cameras are the real deal. A replaceable pair of premium lenses for all the details (48MP main) or the bigger picture (48MP ultrawide). Add a light and color sensor for blazing fast autofocus and top it off with OIS for a shake-free shooting experience.</p>

	<p><i>[Longer &amp; branded]</i></p> <p>The best camera is the one that you have with you. With the replaceable pair of premium lenses, with ToF laser autofocus assist, we made sure the Fairphone 4 won't leave your side. Capture true to life color in great detail with the 48MP main camera or expand your horizon and get the bigger picture with the 48MP ultrawide. Add our advanced image stabilization technology of optical and electronic image stabilization and you've got uncompromising image quality with every lens. And that counts for the buttery smooth 4K UHD video as well, of course. And for those of you who were wondering about that funky pattern of grey-ish lines: For efficiency in design, we've also included part of the antennas to enable 5G network support.</p>
<b>Selfie Camera</b>	<p><i>[Short &amp; to the point]</i></p> <p>This powerful little 25MP Selfie Camera has got its eye on you - and it won't blink to miss a shot. It's reliable, fast and tack sharp for both photos and videos. And it benefits from the same great image processing and fine-tuned colors like its two main counterparts. In other words: Uncompromising image quality in every frame.</p> <p><i>[Longer &amp; branded]</i></p> <p>The Fairphone 4 Selfie Camera is our smallest spare part, but not to be overlooked! Not with this imaging power anyways: The crisp 25MP lens delivers dynamic, detailed photos and videos in any setting. Whether you're video calling with your family, sharing a special moment with your friends or documenting a memorable trip, the Selfie Camera got you covered. If the time ever comes to swap it out, you can easily access it through the Rear Camera part (sold separately).</p>
<b>Back Cover (all color variants)</b>	<p><i>[Short &amp; to the point]</i></p> <p>The Fairphone 4 Back Cover is kind of a big deal. When was the last time you could just pop the hood of your smartphone, to take a look inside or maybe swap out a battery? Exactly. Top that off with its durable, distinctive design, great in-hand feel and 100% recycled materials et voilà: Probably the most</p>

	<p>interesting and sustainable piece of (recycled) plastic in the smartphone industry.</p> <p><i>[Longer &amp; branded]</i>  First thing's first. Kudos to our mechanical engineering team, who managed to pull off something truly special: The Fairphone 4 Back Cover is made from 100% recycled plastics. How good is that? We designed it with durability in mind, as it protects your Fairphone 4's inner workings and hosts the NFC antenna for all your convenient one-tap data transfers or payments. It comes in grey, green or green with speckles and looks stylishly understated in all three colors. And its matte finish is a joy to (be)hold. Without a doubt, this is our best looking and most sustainable back cover yet.</p> <p>Pro-tip: Feel like switching it up? Just pop on a different color back cover and there you go. Style!</p>
<b>USB-C Port</b>	<p><i>[Short &amp; to the point]</i>  What's a smartphone without a working USB-C port? No, don't answer that. We've made sure you won't have to. Just in case this small but vital little connector ever decides to take a break or call it quits, we've made it a replaceable spare part for the Fairphone 4. A super heavy-duty spare part, no less, that meets our rigorous testing standards. 100.000 insertions, to be specific.</p> <p><i>[Longer &amp; branded]</i>  The Fairphone 4 USB-C Port was made for you. Because if we're being honest, it's kind of the unsung hero of smartphones. It charges them, holds the door for all your data transfers and connects them with all sorts of (audio) equipment. So it does a lot of heavy lifting, but if it ever takes a break, that should not be the end of your phone. With Fairphone 4, we've decided to make it replaceable. You can't see it straight away, but no worries - just remove the Loudspeaker and voilà, there it is, ready to be swapped out. Simple.</p>
<b>Loudspeaker</b>	<p><i>[Short &amp; to the point]</i>  The Fairphone 4 Loudspeaker does exactly what you think it does. It plays crystal clear audio for every occasion: hands-free calls, video playback, music streaming, games, you name it. Did we mention that it pairs with the Earpiece speaker to produce glorious</p>

	<p>stereo sound? And this sound gets even better, when you know it comes from recycled and fair materials.</p> <p><i>[Longer &amp; branded]</i></p> <p>The Fairphone 4 Loudspeaker is what gives your phone a voice: clear, crisp audio for hands-free calls, video playback or your favorite playlist is one thing. But it also features part of the antennas that enable 5G network support and hosts the vibration motor for that familiar notification buzzzzz. Best of all, it contains post-consumer recycled rare Earths and conflict-free, fair tungsten.</p>
<b>Earpiece</b>	<p><i>[Short &amp; to the point]</i></p> <p>The Fairphone 4 Earpiece puts the “phone” in Fairphone. Not only does it give you great audio-quality for standard calls, it also doubles as the second stereo speaker, when enjoying movies, games or music on the go. Aaand it’s replaceable.</p> <p><i>[Longer &amp; branded]</i></p> <p>The Fairphone 4 Earpiece is a great spare part for everyone who still uses their phone to make calls. You know, like you used to do. It also doubles as the second stereo speaker for clear, crisp audio playback for all your favorite videos, games or records. This multifunctional little spare part sits well protected behind the Rear Cameras and is easily accessible for a quick fix or swap.</p>