



General


Displays

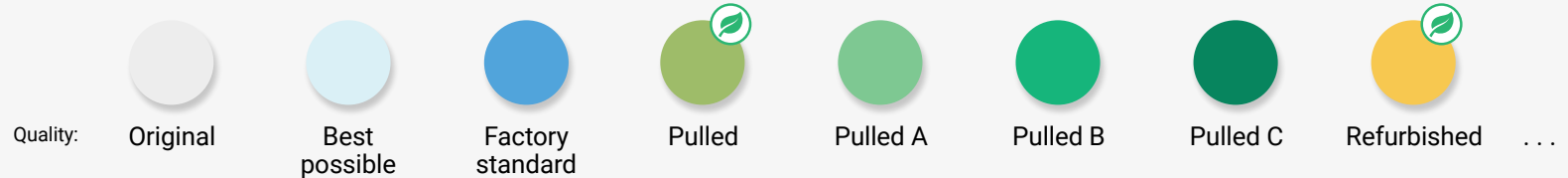
Batteries

Rear Covers

Overview of parts qualities and variants for Mobileparts.shop

This document provides a complete overview of the available parts, quality levels, and variants within Mobileparts.shop. It is designed to support repair professionals and buyers in selecting the right parts, with a focus on sustainability, pricing, and performance.

 Sustainable choice, saves CO₂



Quality definitions:

● Original

Sourced directly from the manufacturer, identical to the part originally installed in the device. Guaranteed fit, performance, and quality. Ideal for those who want full assurance of compatibility and reliability.

● Factory standard

Completely new displays with quality equivalent to original iPhone displays. This applies to the LCD/OLED as a whole, as well as all individual components used. As such, this quality can be considered the best 'new' alternative to the original.

● Pulled A

A rear cover graded as "Pulled A" may have a maximum of 2 small dots (1-2 mm), up to 15 countable scratches that can't be felt with a fingernail, and a maximum of 2 small colour differences (2-3 mm), with no paint loss.

● Pulled C

A rear cover graded as "Pulled C" may show large dots or scuffs with paint loss (3+ mm), scratches that can be felt with a fingernail, noticeable colour differences, or more extensive paint loss.

● Best possible

Best possible quality of anything currently available on the market. It can be a mix of Factory standard, Pulled, Refurbished, or Compatible. This mostly concerns iPads, as the availability of iPad displays in China is very unstable. For MacBook back covers, 50% are graded as Pulled and 50% as Factory Standard. That's why we describe this product type as the best possible.

● Pulled

Used displays and small parts which, qualitatively, are still good enough to be sold. They have been disassembled from original iPhones (and iPads) and have few to no scratches or signs of wear and tear. The displays and small parts often come from devices that are returned to providers after the subscription period has expired. In short, this quality can be considered as 'used Original'.

● Pulled B

A rear cover graded as "Pulled B" may show small dots with paint loss (1-2 mm), more than 15 countable scratches that cannot be felt with a fingernail, more than two small colour differences (1-2 mm) or a larger area of colour difference, as well as small areas of paint loss.

● Refurbished

These displays, with a working LCD/OLED panel, are refurbished. The front glass is removed using a hot plate, and a new polarizer or touch panel is applied. In the case of old devices, the backlight is also replaced.



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Part Qualities



Quality definitions:

● In-Cell

Aftermarket displays, where all components are high copy and not original/OEM/factory standard, differ from In-cell displays. In Compatible displays, all loose elements of the digitizer and the LCD are glued together. In In-cell displays, the digitizer is already integrated into the LCD. These displays are more stable than Compatible displays, with no raster lines showing up in the digitizer. The colour is brighter, and they have the same resolution as Factory standard displays.

● Compatible

Aftermarket (small) parts, where all components are high-quality copies and not original, genuine, or OEM. Our sourcing team rigorously tests these parts to ensure they meet our quality standards. Offering these alternatives provides our clients with more affordable options, helping them stay competitive in the market. This quality mainly applies to products such as tapes, batteries, housings, and similar parts.

● Compatible Soft

Aftermarket displays, where all components are high copy and not original/OEM/factory standard. Here, the manufacturer uses a Soft OLED screen instead of an LCD with backlight. These are the best Compatible displays available.

● Compatible Hard

Aftermarket displays, where all components are high copy and not original/OEM/factory standard. Here, the manufacturer uses a Hard OLED screen instead of an LCD with backlight. In terms of display quality, they are similar to a Soft OLED copy, but they are much more fragile.

● Compatible Budget

Aftermarket displays, where all components are high copy and not original/OEM/factory standard. These displays function well at a low price but have lower image quality. This includes aspects such as differing LCD formats, lower resolution, lower brightness, and the absence of a 360-degree polarizer, among other differences.



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Available qualities per brand

Sustainable choice, saves CO₂

	Original	Factory std.	Pulled	Refurb	In-cell	Compatible Soft OLED	Compatible Hard OLED	Compatible Budget	Available with small parts	Available without IC	Other factory versions available	Alternative part numbers possible
SAMSUNG <input type="radio"/>												<input checked="" type="checkbox"/>
For Galaxy					<input type="checkbox"/>	<input type="checkbox"/>						<input checked="" type="checkbox"/>
Apple <input type="radio"/>												
For iPhone/iPad	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<i>JK</i> Digital display				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
oppo <input type="radio"/>			<input type="checkbox"/>									<input checked="" type="checkbox"/>
HUAWEI <input type="radio"/>			<input type="checkbox"/>									<input checked="" type="checkbox"/>
realme <input type="radio"/>												<input checked="" type="checkbox"/>
xiaomi <input type="radio"/>			<input type="checkbox"/>									<input checked="" type="checkbox"/>
motorola <input type="radio"/>												<input checked="" type="checkbox"/>
SONY <input type="radio"/>												<input checked="" type="checkbox"/>
NOKIA <input type="radio"/>			<input type="checkbox"/>									
Google <input type="radio"/>			<input type="checkbox"/>									<input checked="" type="checkbox"/>
ONEPLUS <input type="radio"/>			<input type="checkbox"/>									<input checked="" type="checkbox"/>
HONOR <input type="radio"/>												

Authorizations

- SAMSUNG** Authorized Distributor
- genuine Apple** Parts Service
- realme** Authorized Distributor
- HUAWEI** Authorized Distributor
- JK* Digital display Authorized Distributor



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3 brands and 8 qualities for iPhone/iPad parts

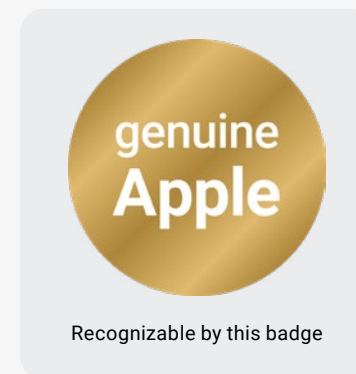
1. Genuine Apple parts

Mobileparts.shop is proud to offer you the Apple Parts Service (APS). It is designed for repair professionals committed to the highest quality and customer satisfaction. APS provides genuine Apple parts sourced directly from Apple. This ensures reliable repairs that build trust and maximize the durability of iPhones.

See below for the available part types for iPhone and iPad.

● Available ● Not available

Main category	Sub category	iPhone	iPad
Adhesive tape	Adhesive tape (back glass)	●	●
	Adhesive tape (display)	●	●
Audio (speaker/mic)	Ear speaker	●	●
	Bottom speaker	●	●
	Microphone	●	●
Battery		●	●
Buttons	Power button	●	●
	Power button	●	●
Taptic engine (Buzzer Vibra)		●	●
Camera	Camera (front)	●	●
	Camera (rear)	●	●
Display		●	●
Dock connector		●	●
Housing	Back Glass	●	●
	Middle frame	●	●
SIM tray/reader		●	●
Screws		●	●



Parts are available for the following models: iPhone 12 and later, iPad mini (A17 Pro), iPad Air 11 inch & 13 inch (M2), iPad Pro 11 inch & 13 inch (M4), iPad Air 11 inch & 13 inch (M3), iPad (A16)



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2. For iPhone/iPad/MacBook, the premium alternative

We offer a range of high-quality alternative displays, including harvested and compatible options in seven quality grades for iPhone OLED models and five grades for LCD models. Our dedicated team of over 25 expert sourcers and testers in Shenzhen, China, ensures that we source and deliver only the best possible quality for your needs.

3. Official European distributor of JK displays

2Service is one of only two official European distributors providing the full range of JK displays compatible with iPhones. Experience trusted quality and reliable supply for all your display needs.



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Display Options

To enable repairers to complete repairs as easily and quickly as possible, we supply various display options. The description of each part should clearly indicate whether additional parts, adhesives, etc. are included or excluded.

Icon	Variant	Notes
	With small parts	With pre-assembled part for Display or Middle frame.
	With battery	Display supplied with battery inserted.
	With camera unit	Display supplied with mounted camera unit.
	Without frame	Display supplied without frame.
	Frame pre-assembled	Pre-mounted display on frame (by 2Service).
	Without IC	Display supplied without IC (integrated circuit / chip), allowing faster transfer of the old one.
	With adhesive	Display supplied with adhesive already placed.
	Used	Part has status 'Used' after iOS18+ calibration.
	Unknown	Part has status 'Unknown' after iOS18+ calibration.
	Genuine	Part has status 'Genuine' after iOS18+ calibration.



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Displays for iPhone after calibration

When replacing an iPhone screen, what iOS shows after installation can tell you a lot about the part used—whether it's original, used, or not verified. Since iOS18+, Apple has added new ways to track part authenticity, including labels like "Genuine" "Used," or the dreaded "Unknown".

Quality	iOS18+ message after calibration	End code in our SKU
Original	'Genuine'	
Factory standard	'Unknown' **	...B
Pulled (with sensor flex)	'Used'	...B4-FLEX
Pulled*	'Unknown' **	...B4
Refurbished (with sensor flex)	'Used'	...B2-FLEX
Refurbished*	'Unknown' **	...B2
In-cell*	'Unknown' **	...B5
Compatible Soft (with sensor flex)	'Used'	...B3-FLEX
Compatible Soft*	'Unknown' **	...B3
Compatible Hard (with sensor flex)	'Used'	...B7-FLEX
Compatible Hard*	'Unknown' **	...B7
Compatible Budget*	'Unknown' **	...B6

* These qualities are not sourced from suppliers to meet iOS18+ calibration requirements.
 ** If the IC is swapped correctly, the phone won't detect that the screen has been replaced.



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Displays for iPhone with small parts

The following parts are pre-assembled to the display.

Included Not included

Model	LCD protection shield	Flex cushion	Speaker	Camera and ring
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Up to iPhone 8 serie	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
----------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------

Newer iPhone models	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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Display qualities for iPhone/iPad

Sustainable choice, saves CO₂



★★★★★
Original



★★★★☆
Grading
Factory standard



★★★★☆
Pulled



★★★★☆
Refurb



★★★☆☆
In-Cell



★★★☆☆
Compatible Soft



★★★☆☆
Compatible Hard



★★☆☆☆
Compatible Budget

Parts purchased from Apple

Read more

Read more about the genuine Apple parts Service by scanning the QR-code.



Condition	New	Used	New	New	New	New	New
Glass	Equivalent to original (OEM)	Same as original (OEM)	Aftermarket, best quality	Aftermarket, best quality	Aftermarket, best quality	Aftermarket, best quality	Aftermarket, basic quality
LCD/OLED panel	Equivalent to original (OEM)	Same as original (OEM)	Same as original (OEM)	Aftermarket, best quality. Digitizer attached to LCD	Aftermarket, best quality Soft-OLED.	Aftermarket, best quality Hard-OLED. Display is fragile	Aftermarket, basic quality
Flex cable	Equivalent to original (OEM)	Same as original (OEM)	Same as original (OEM)	Aftermarket, best quality	Aftermarket, best quality	Aftermarket, best quality	Aftermarket, basic quality
Quality control	3x own inspection	3x own inspection	3x own inspection	3x own inspection	3x own inspection	3x own inspection	3x own inspection
Dead pixels, lines, or backlight light spots	Never!	Never!	Never!	Never!	Never!	Never!	Never!
Warranty	Life time warranty	Life time warranty	Life time warranty	Life time warranty	Life time warranty	Life time warranty	Life time warranty
Backlight	Same as original	Original	Original	With backlight	Without backlight	Without backlight	With backlight
Brightness	Same as original. OLED: 800-1000 NIT, LCD: 500-700 NIT	Same as original. OLED: 800-1000 NIT, LCD: 500-700 NIT	Same as original. OLED: 800-1000 NIT, LCD: 500-700 NIT	600+ NIT	800+ NIT	700+ NIT	350-600 NIT
Fragility	Not fragile	Not fragile	Not fragile	Not fragile	Not fragile	Fragile	Not fragile
Pixel resolution	High resolution. Equal to original	High resolution. Same as original	High resolution. Same as original	Mid resolution. Almost equal to original	High resolution. Equal to the original	High resolution. Equal to the original	"Low resolution. Lower than original
Polarizer	360° polarizer	360° polarizer	360° polarizer	360° polarizer	360° polarizer	360° polarizer	270° polarizer
Size	Equal to original	Equal to original	Equal to original	Almost like original	LCD size, the same as the original	Almost like original	Biggest difference from original
Hue	Equal to original	Same as original	Same as original	Close to original	Close to original	Close to original	Less than original, standard colours
Energy consumption	Same as original	Same as original	Same as original	High	Low	Low	Moderate
Price	€€€€€	€€€€	€€€	€€	€	€	€



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Display versions for iPhone

Matching the version of a Sharp, LG, or Toshiba LCD for an iPhone is crucial to ensure hardware compatibility, maintain display quality, and preserve functional integrity. Different versions can have variations in connectors, firmware requirements, and touch functionality, which can lead to performance issues if mismatched. Ensuring the correct version also helps maintain warranty compliance and delivers a consistent user experience.

Icon	Version	Notes
LG	LG	Display manufactured by LG.
TO	Toshiba	Display manufactured by Toshiba.
SH	Sharp	Display manufactured by Sharp.



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Which iPhone displays support IC swaps?

To avoid an authenticity alert on an iPhone, you can perform a display IC swap. The IC from the original display is placed onto the new display. If you're wondering which iPhone displays are eligible for an IC swap, we've created a list for you.

● Yes ● No ● N/A

Model	In-Cell display	Soft-OLED display	Hard-OLED display	Compatible Budget display
11	●	●	●	●
11 Pro	●	●	●	●
11 Pro Max	●	●	●	●
12	●	●	●	●
12 Mini	●	●	●	●
12 Pro Max	●	●	●	●
13	●	●	●	●
13 Pro	●	●	●	●
13 Pro max	●	●	●	●
13 Mini	●	●	●	●
14	●	●	●	●
14 Plus	●	●	●	●
14 Pro	●	●	●	●
14 Pro Max	●	●	●	●
15	●	●	●	●
15 Plus	●	●	●	●
15 Pro	●	●	●	●
15 Pro Max	●	●	●	●
16	●	●	●	●
16 Plus	●	●	●	●
16 Pro	●	●	●	●
16 Pro Max	●	●	●	●



Battery types for iPhone/iPad

We supply 4 battery types For iPhone/iPad:

Icon	Variant	Notes
	Normal battery	Our standard battery is a reliable choice for everyday use. It provides a seamless replacement for the original iPhone battery, guaranteeing optimal performance and a long lifespan.
	High-capacity	Our high-capacity battery is ideal for more demanding users. With up to 25% more capacity, it delivers a significantly longer battery life. Perfect for travellers, gamers and users who are High-capacity always on the move.
	High-capacity ('USED')	High-capacity battery. After calibration, the status shows as 'Used', the cycle count resets to '0', and battery health displays '100%'
	Without BMS	BMS (Battery Management System): A battery without IC allows the old battery's IC to be transferred easily. This prevents the iPhone's 'unknown part' notification.

Batteries for iPhone after calibration

Quality	iOS18+ message after calibration	End code in our SKU
● Original	'Genuine'	
● Compatible (iOS18+ ready)	'Used'	...4H-FLEX (High capacity + FLEX)
● Compatible*	'Unknown'	...4 (normal) ...4H (High capacity) ...4BMS (without BMS)

* These qualities are not sourced from suppliers to meet iOS18+ calibration requirements.



Rear cover variants for iPhone

Even for rear covers (middle frame + back glass) we have choices that make repairing easy:

Icon	Variant	Notes
	With small parts (Middle frame)	See table: <i>With small parts (Middle frame)</i> .
	With logo (Back glass)	Pulled rear covers with logo in available in 3 different grades See table: <i>Quality grades with logo (Back glass)</i> .

Middle frame with small parts

The following parts are pre-assembled to the display.

● Included ● Not included

Model	Dock connector	Speaker	Vibrator	Volume/power Flex Cable (incl. wireless charging)	Antenna	Flashlight	Lidar
X / XR / XS serie	●	●	●	●	●	●	●
11 / 11 Pro / 11 Pro Max	●	●	●	●	●	●	●
12 / 12 Mini	●	●	●	●	●	●	●
12 Pro / 12 Pro Max	●	●	●	●	●	●	●
13 / 13 Mini	●	●	●	●	●	●	●
13 Pro / 13 Pro Max	●	●	●	●	●	●	●
14 / 14 Plus	●	●	●	●	●	●	●
14 Pro / 14 Pro Max	●	●	●	●	●	●	●
15 / 15 Plus	●	●	●	●	●	●	●
15 Pro / 15 Pro Max	●	●	●	●	●	●	●
16 / 16 Plus	●	●	●	●	●	●	●
16 Pro / 16 Pro Max	●	●	●	●	●	●	●



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Back glass quality grades with logo

Quality	Pulled A	Pulled B	Pulled C
Dents	Max 2 small dots, 1-2 mm	Small dots with paint loss, 1-2 mm	Big dots/scuffs with paint loss, 3+ mm
Scratches	Max. 15 countable scratches, can't be felt with a fingernail	More then 15 countable scratches, can't be felt with a fingernail	Scratches can be felt with a fingernail
Discolouration	Max 2 small colour differences, 2-3 mm	More then 2 small colour differences, 1-2 mm or bigger area of colour difference	Noticable colour difference
Paint loss	No paint loss	Small paint loss	Bigger paint loss



Legend

Part variants



With logo



Without logo



With small parts



Without small parts



With buttons



Without buttons



With camera



Without camera



Genuine



Used



Unknown



With frame



Without frame



With battery



Without battery



With IC



Without IC



With adhesive



Without adhesive



120 Hz

Battery types



Normal battery



High-capacity



High-capacity ('Used')



Without BMS

Display versions



Display by LG



Display by Sharp



Display by Toshiba

Remarks



Requires soldering



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