

Surface Book

Eco profile

Physical features

Device —

Weight	1516 grams (including battery and keyboard)
Dimensions	Height 232,1 mm x Width 312,3 mm x Thickness ¹ 13,0-22,8 mm
Volume	1653 cc (cm ³)

Package —

Weight ²	1583 grams
Dimensions	Length: 415 mm x Width: 277 mm x Height: 60 mm
Volume	6897 cc (cm ³)
Material	Folding carton and corrugated board



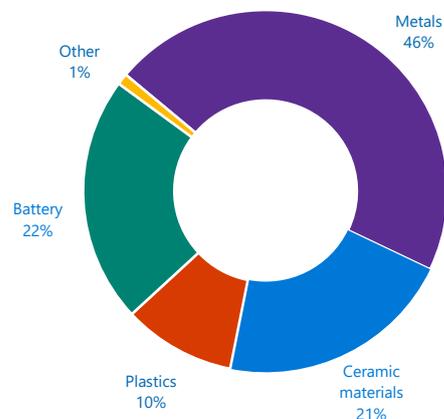
Environmental features

Materials and substances	Packaging	
Product and packaging fully comply with the environmental requirements, including restricted substances, of each country where placed on the market. Device is free of PVC, except the power adapter cable Free of nickel on the product surface	Made of renewable material ³ Contains up to 77% recycled fiber materials Packaging is 100% recyclable Minimized package	
User guide	Energy efficiency	Environmental labels and certifications
Small printed user guide and full user guide electronically available at microsoft.com/surface/support/userguides	Meets the ENERGY STAR® version 6.1 requirements Battery Saver mode	

Materials used

Through careful material selection we aim to reduce the environmental impact of our products. The chart shows the estimated proportions of the materials used to create this device.

Metals	E.g. magnesium, stainless steel, copper, zinc, aluminum. Microsoft products contain ~0,1-0,2% precious metals.
Ceramic materials	Glass, other ceramics.
Plastics	E.g. ABS/PC, PET, PA, epoxy.
Battery	E.g. lithium cobalt compound, graphite, aluminum, copper.
Other	Non-metals such as silicon. Other materials such as glues.



Find out more about the materials used to create our products at www.microsoft.com/mobile/materials

¹ Volume thickness

² Weight might vary depending on e.g. product variant

³ Packaging contains less than 2% plastic materials

Restricted substances

We proactively manage and keep track of all the substances contained in our products, not just those that raise environmental concerns. We use supplier specifications to restrict the use of regulated substances in our products. Additionally, we have proactively restricted the use of many other substances that might cause harm to the environment or to the user during the lifecycle of the product.

Find out more about Restricted Substance List at www.microsoft.com/mobile/substance

This product fully complies with all relevant global regulations, for example:

The European Union's RoHS Directive 2002/95/EC as amended by the RoHS Recast Directive 2011/65/EU

"Management Methods on the Prevention and Control of Pollution caused by Electronic Information Products" commonly known as "China RoHS"

European Union's REACH Regulation 2006/1907/EC

The Montreal Protocol on Substances that Deplete the Ozone Layer

Device does not contain chemicals that would trigger notification under California (USA) Proposition 65.

The surface of this device does not contain nickel. The surface of this device is magnesium.

Energy consumption

Device meets the requirements of the ENERGY STAR® program version 6.1 and EU Commission Regulation for Standby and Off Mode Power Consumption for Electronic Household and Office Equipment (1275/2008).

The supplied battery complies with the European Union Battery Directive 2006/66/EC and does not contain cadmium, lead, or mercury in concentrations higher than those defined in the Directive.

The supplied charger meets European Union Ecodesign Directive for Energy Related Products 2009/125/EC (ErP Directive) and regulation 278/2009 for no-load consumption and efficiency.

Find out more about energy at www.microsoft.com/mobile/energy

Mode	100V	115V	230V
Sleep	2W	2W	2W
Idle - Display on	7,3W	7,3W	7,1W
Power adapter, no load: ³	169	mW	
Power adapter, efficiency: ³	86%		
Power adapter weight: ⁴	280	grams	
Battery capacity: ⁵	9187	mAh	
Battery weight:	340	grams	



Packaging

We work to minimize the environmental impact of our packaging by selecting sustainable materials, reducing the packaging size, reducing the volume of material we use, and considering what happens to the package when it is no longer needed.

Our packaging does not contain hazardous or restricted substances such as polyvinylchloride (PVC), and is fully compliant

with the European Union Packaging and Packaging Waste Directive 1994/62/EC, as amended and CEN packaging standards (EN 13427:2005) as well as US Toxics in Packaging legislation.

Find out more about our packaging at www.microsoft.com/mobile/packaging

⁴ Values might vary depending on e.g. product variant.

⁵ Typical value.

Sales package content and product features might vary depending on region and product variant.

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Recycling

Always return your used electronic products, batteries, and packaging materials to a dedicated recycling collection point. This way you help prevent uncontrolled waste disposal and promote the recycling of materials.

Check how to recycle your products at www.microsoft.com/mobile/recycle

Plastic enclosures and plastic packaging materials have been marked.⁶ Plastic parts are marked in accordance with ISO 11469 and ISO 1043-1 to -4 standards.

This product and its battery have been marked with the crossed-over wastebasket symbol (WEEE Directive) to signify that they must not be disposed of with regular household waste and need to be taken instead to an appropriate collection point.

Environmental impact

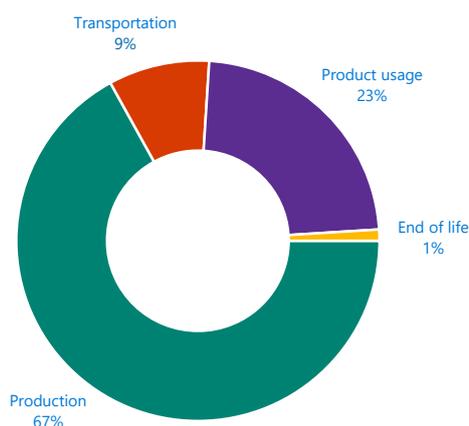
Greenhouse gas emissions	225 kg CO ₂ -eq
Energy use	3191 MJ ⁷

These figures represent the estimated environmental impact across the product's life cycle from creating, using (3 years) to recycling the device. This impact equates to driving 1400 km in a typical car used in Europe.

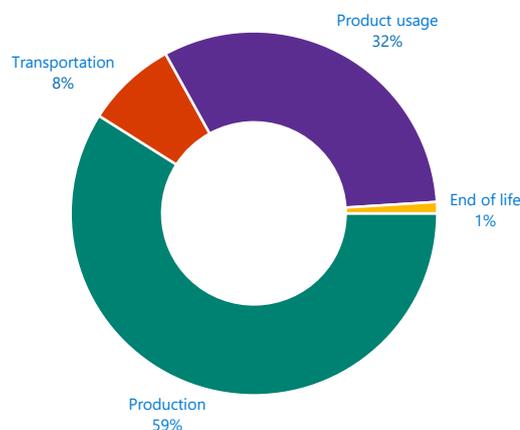
The greenhouse gas emissions and energy use figures are based on a Life Cycle Assessment in accordance with the ISO 14040 and ISO 14044 complemented by ICT specific ETSI TS 199 and ITU-T L 1410. The Life Cycle Inventory (LCI) data is measured at our own operations and collected from suppliers. In addition we use internationally available LCI databases.

The life cycle assessment method has been externally audited. The environmental impacts of different accessories, packaging, user guides, and Microsoft corporate overhead including travel are not included.

Find out more about the environmental impact of our products at www.microsoft.com/mobile/LCA



GREENHOUSE GAS EMISSIONS



ENERGY USE

⁶ Dependent on size, location and materials of the part.

⁷ The results of a life cycle assessment (LCA) always depend on the calculation method, scoping and assumptions used; and they reflect our understanding at the

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time when published. The results are therefore not directly comparable with those conducted by other parties.