

ECOPROFILE

Surface Book 2

13.5-inch display



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Our commitment to sustainability

At Microsoft Devices, sustainability is integral to our mission to build products that create magical experiences while empowering every person and organization to achieve more. From product design and new product introduction through sourcing, manufacturing, responsible delivery, and product end-of-life, we are driven to make a difference with our products both in how our customers create with them and in the impact their development has on our environment.

Physical features

DEVICE

Weight ¹	1534 g
Dimensions	31.2 cm x 23.2 cm x 1.3-2.3 cm

PACKAGING

Weight	872 g
Dimensions	34.9 cm x 26.8 cm x 6.0 cm
Volume	5612 cm ³
Materials	Folding carton, corrugated paper board, molded pulp, plastic

Labels and certifications



Meets ENERGY STAR® 8.0



CCEL in China⁴



CECP in China⁵

Environmental impact

Global warming potential	308 kg CO ₂ equivalent
Primary energy demand from non-renewable resources	3265 MJ

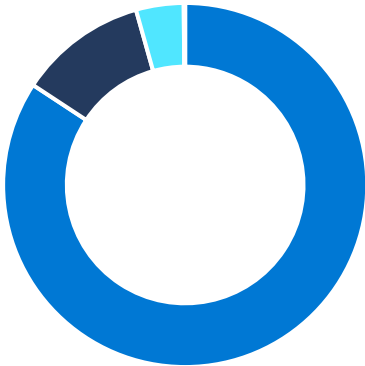
These figures represent the estimated environmental impact² across the product's life cycle. The calculations are based on the Intel® Core™ i5 8GB 256 GPU configuration of Surface Book 2 with 13.5-inch display and include the main device, power supply unit, and packaging. Other accessories are not included.

The greenhouse gas emissions and energy use figures are based on a Life Cycle Assessment (LCA) in accordance with ISO 14040 and ISO 14044. The Life Cycle Inventory (LCI) data is based on our own measurements, collected from suppliers, and content supplied by Sphera (copyright 2021) and ecoinvent, along with other internationally available LCI databases.

The system boundaries include extraction of raw materials, upstream materials preparation, electronic component manufacturing, subassembly manufacturing and assembly, final assembly, distribution to customer, three years of product use, and end-of-life treatment.

Software and hardware design impacts are captured in our corporate carbon footprint and excluded from the individual product LCA calculations.

- Manufacturing (259 kg CO₂eq)
- Product use (35 kg CO₂eq)
- Transportation (13 kg CO₂eq)
- End of life (<1 kg CO₂eq)



Manufacturing



Transport



Product use



Disposal

Find out more about the environmental impact of our products at:

[Designing Sustainable Products](#)

Energy efficiency

This device meets the requirements of the ENERGY STAR Computer Specification Version 8.0 and EU Commission Regulation for Standby and Off Mode Power Consumption for Electronic Household and Office Equipment 1275/2008.

The power supply meets European Union Ecodesign Directive for Energy Related Products 2009/125/EC (ErP Directive) and Ecodesign regulation for external power supply EC No 278/2009.

INPUT MODE	100 V	115 V	230 V
Off	0.4 W	0.4 W	0.4 W
Sleep	0.9 W	0.9 W	0.9 W
Idle	5.8 W	6.3 W	6.4 W



20.9 kWh

ENERGY STAR® estimated annual energy consumption⁶

Find out more about energy efficiency at:

[Improving Energy Efficiency](#)

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.

- Metal parts (34.9%)
- Battery (20.0%)
- Display (12.4%)
- Power supply unit (11.9%)
- Circuit boards (10.5%)
- Glass (4.7%)
- Plastics (4.2%)
- Cables and wires (0.6%)
- Other (0.8%)



Find out more about the materials used to create our products at:

[Sustainable Materials and Approach](#)

Restricted substances

We take a precautionary approach to substance management. We follow legislative developments and research regarding chemical impacts on health and environment and update our specifications with new product and manufacturing substance restrictions to address risks.

All our products comply with global substance restrictions and with Microsoft policies in cases where restrictions are set that go beyond the regulatory requirement.

This product fully complies with all relevant global regulations, including, but not limited to:

- ✓ The European Union’s Restriction of Hazardous Substances Directive (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 Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) Regulation 2006/1907/EC
- ✓ The Montreal Protocol on Substances that Deplete the Ozone Layer
- ✓ California (USA) Proposition 65 (Device does not contain chemicals that would trigger notification)
- ✓ European Union Battery Directive 2006/66/EC as amended by Directive 2013/56/EU

Find out more about our Restricted Substance List at:

[Sustainable Materials and Approach](#)

Packaging

Integrating sustainability into our packaging designs and measuring results is a business priority. We focus on using less packaging and selecting the right materials for the environment. We are committed to designing and delivering packaging materials that achieve measurable sustainability gains.

Packaging materials are 94 percent recyclable³ on average and 80 percent of our molded pulp is bagasse, a byproduct of sugar cane. Packaging weight is minimized.

Our packaging does not contain hazardous or restricted substances such as polyvinyl chloride (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:

[Approach to Product Packaging](#)

Recycling

Microsoft complies with global electronics recycling laws, including the EU Waste Electronic and Electrical Equipment (WEEE) Directive 2002/96/EC and its Recast 2012/19/EU and other recycling laws in Asia, Latin America and North America. We fulfill recycling obligations and meet information and labelling requirements for covered Microsoft products.



The crossed-out wheeled bin symbol marked on this product signifies that it must not be disposed of with regular household waste and needs to be taken instead to an appropriate collection point.

To help prevent uncontrolled waste disposal and promote the recycling or recovery of materials, always return your used electronic products, batteries, and packaging materials to a dedicated recycling or recovery collection point, if available in your area.

Check how to recycle your products at:

[Approach to Product Recycling](#)

Download the Microsoft Sustainability Report:

[Devices Sustainability at Microsoft](#)

1 Weight of device only, not including power supply unit or any accessories. Weight and dimensions might vary depending on product variant.

2 The results of a life cycle assessment (LCA) depend on the calculation method, scoping and assumptions used, and they reflect our understanding at the time when published. The results are therefore not directly comparable with those conducted by other parties or at other times.

3 Percent is on average by weight. Recycling facilities for this product and /or packaging may not exist in your area.

4 The China Certification of Environmental Labelling (CCEL) Program is intended to promote recycling, pollution reduction, and resource conservation; guide consumers in purchasing "green" products that meet environmental criteria; and encourage manufacturers to design and supply environmentally benign products for the China market. The CCEL ecolabel applies only to commercial SKUs in China.

5 The China Energy Conservation Program (CECP) is a voluntary certification program aiming at promoting the production and purchase of resource-efficient products in China. CECP certification applies only to commercial SKUs in China.

6 Configuration: 115 V 60 Hz