Surface Studio 2
Eco profile

Physical features

Device

Weight[1]	9.6 kg
Display	63.7 cm x 43.9 cm x 1.14 cm
Base	25.0 cm x 22.0 cm x 3.2 cm

Packaging

Weight	4.6 kg
Dimensions	78.5 cm x 23.4 cm x 57.0 cm
Volume	104,703 cm^3
Material	Folding carton, corrugated board, foam, plastic

Environmental features

Meets ENERGY STAR® 7.1

Packaging 98 percent recyclable[2]

Environmental impact

Greenhouse gas emissions	601 kg CO_2-equivalent
Energy use	7125 MJ

These figures represent the estimated environmental impact[3] across the product's life cycle. The calculations are based on the Intel® Core™ i7 32 GB SSD 2TB HDD configuration 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 in accordance with ISO 14040 and ISO 14044 complemented by device-specific ETSI TS 199 and ITU-T L 1410. The Life Cycle Inventory (LCI) data is based on our own measurements, collected from suppliers, and 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, 3 years of product use, and end-of-life treatment.
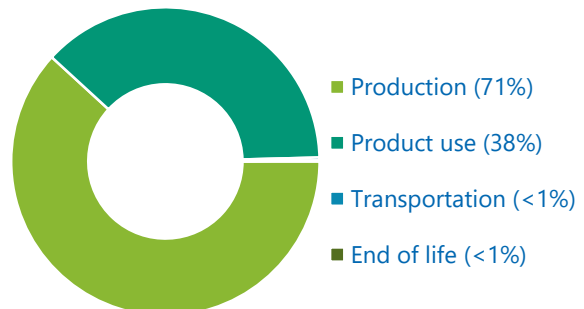
Software and hardware design impacts are captured in our corporate carbon footprint and excluded from the individual product LCA calculations.

Find out more about the environmental impact of our products at https://www.microsoft.com/en-us/environment/product/design

- Production (71%)
- Product use (38%)
- Transportation (<1%)
- End of life (<1%)

Energy efficiency

This device meets the requirements of the ENERGY STAR Computer Specification Version 7.1 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.

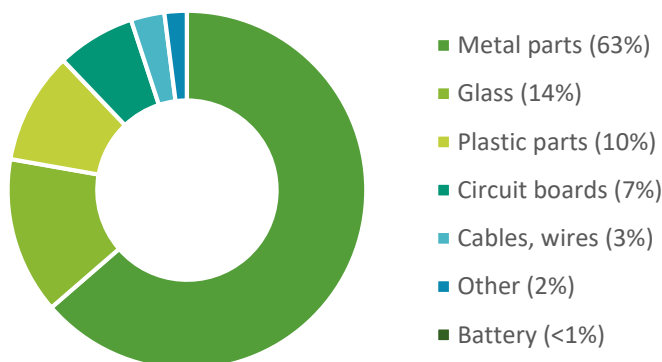| Off	0.2 W	0.2 W	0.3 W
Sleep	5.3 W	5.2 W	5.1 W
Idle	50.4 W	50.4 W	49.7 W
Input	100 V	115 V	230 V

ENERGY STAR estimated annual energy consumption[4]   195.1 kW

Find out more about energy efficiency at
www.microsoft.com/en-us/environment/product/resources

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.

Find out more about the materials used to create our products at
www.microsoft.com/about/csr/environment/sustainable_devices/compliance-and-sustainability-in-product-design/

- Metal parts (63%)
- Glass (14%)
- Plastic parts (10%)
- Circuit boards (7%)
- Cables, wires (3%)
- Other (2%)
- Battery (<1%)

Restricted substances

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

Find out more about our Restricted Substance List at
www.microsoft.com/about/csr/environment/sustainable_devices/compliance-regulation/

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 contain an average of 51 percent post-consumer recycled content. Packaging is 98 percent recyclable by weight.[3] 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 www.microsoft.com/about/csr/environment/sustainable_devices/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.

Find out how to recycle your products at www.microsoft.com/about/csr/environment/sustainable_devices/recycling/

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[1] Weight of main device only, not including power cord or external accessories. Weight and dimensions might vary depending on product variant.
[2] Percent is on average by weight. Recycling facilities for this product and/or packaging may not exist in your area.
[3] 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.
[4] Configuration: 115 V 60 Hz