Product Carbon Footprint Report

Ultrathin 2-in-1 convertible laptop　Portege X30W-K

Dynabook Inc.

July 27th, 2022

Toward the creation of a sustainable resource-recycling society, we visualize the environmental impact of our products through life cycle assessment* in order to efficiently reduce the environmental impact of our products and realize environmentally conscious products.

This document is the Product Carbon Footprint* information for our Ultrathin 2-in-1 convertible laptop, Portege X30W-K.
The calculation of Product Carbon Footprint complies with ISO 14040:2006 and ISO 14044:2006, and the impact assessment methodology is based on GWP (IPCC 2013 GWP100a).

Portege X30W-K

*Life Cycle Assessment: Environmental Impact assessment methodology
*Product Carbon Footprint: Total amount of Greenhouse gas emissions through its life cycle of products.

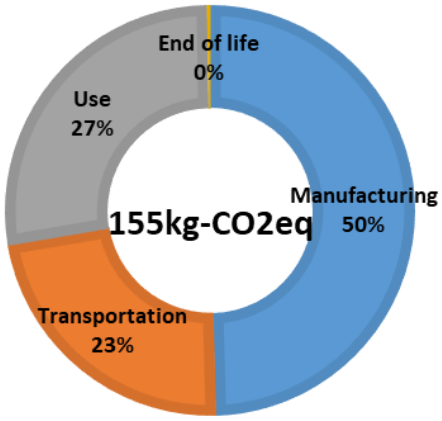
Product Carbon Footprint

Estimated value per unit of this product:

155 kg-CO2eq

[kg-CO2eq]	
Manufacturing	77
Transportation	35
Use	42
End of life	0

Product Carbon Footprint for Portege X30W-K



Product specification used for calculation

CPU: Intel® Core™ i7-1260P Processer

Memory: 32GB

Screen size: 13.3”

Weight of product: 1.2 kg

Weight of packaging: 0.5 kg

*Intel and Intel Core are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.

Used Software / Database

Software: GaBi 9

Database: GaBi Professional,
Extension database XI electronics

*GaBi is a trademark of Sphera Solutions GmbH

Assumption

Manufacturing	Assembly location: China The calculated impact of all components, including packaging materials.
Transportation	All the air, sea or land transportation from Dynabook manufacturing facility in China to each distribution site in the U.S. is included.
Use	Lifetime of product: 5 years Use location: USA Use energy consumption: 16.8kWh/Year This value was calculated based on ENERGY STAR※.
End of life	The EoL scenario is assumed in accordance with the statistics those for electronics and packages done by US Environmental Protection Agency. Emissions generated during the mechanical destruction, transport of end of life materials and landfill are included in the calculation

*ENERGY STAR: ENERGY STAR® Program Requirements Product Specification for Computers Version 8.0
ENERGY STAR is a registered trademark of US-EPA.

Uncertainty

The estimation of each environmental impact is approximations and can vary widely depending on usage, disposal methods, and other factors. They are also uncertain due to time / technological / geographical limitations of the data used.

Dynabook Inc.

NBF Toyosu Garden Front Bldg. Toyosu 5-6-15, Koto-ku, Tokyo

https://dynabook.com/

Published in July, 2022