

Product Carbon Footprint

ThinkPad X1 Carbon Gen 13 IAL

Machine Types: **21NX, 21NY**

Device Type: **Notebook**

Report Date **04/18/2025**



Lenovo values our commitment to the environment. As part of that commitment, Lenovo performs a streamlined product lifecycle analysis in accordance with the IEC TR 62921 standard. This analysis allows the customer to estimate the carbon footprint of their product. The carbon footprint is the total green-house gases emitted by the product over its lifespan reported as global warming potential for 100-year time horizon (GWP-100) in units of CO₂ equivalents

Estimated carbon footprint of the: **ThinkPad X1 Carbon Gen 13 IAL**

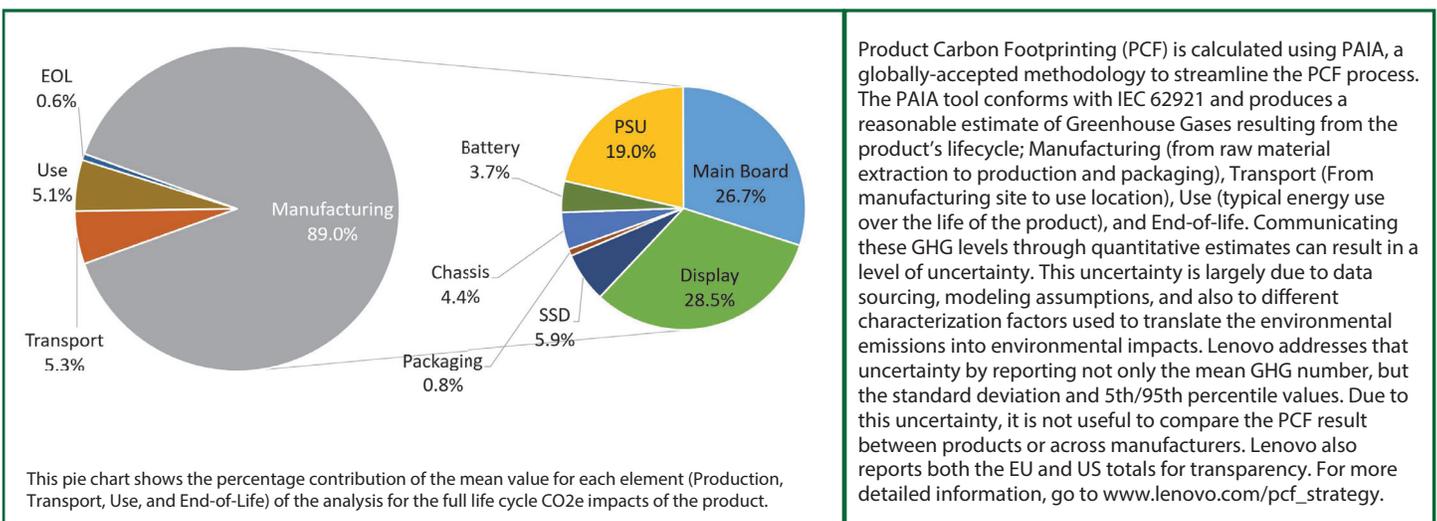
165 kg CO₂e
Mean Value

± 27 kg CO₂e
Standard Deviation

This estimate uses the assumptions from the table below (Based on EU use location. U.S. estimates below):

| | | | | | |
|--------------------------|-------------|---------------------------------|-------------|-------------------|-----------|
| Product Weight (kg) | 0.99 | Product Screen Size (inches) | 14 | Assembly Location | CN |
| Product Lifetime (years) | 4 | Yearly Typical Energy Use (kWh) | 9.14 | Use Location | EU |

Below is a breakout of the carbon emissions of this product by both lifecycle stage (raw material extraction through product end-of-life) and greenhouse gases resulting from the manufacture of major components:



| | | | | | |
|--------------------------|------------|-----------------------|------------|--------------------------|------------|
| Mean (EU): | 165 | 5th Percentile (EU): | 106 | Mean (US): | 174 |
| Standard Deviation (EU): | 27 | 95th Percentile (EU): | 315 | Standard Deviation (US): | 25 |