UltrArmor UA3 Carbon Footprint Report

(Energy Star 8.0 Compliance)
Estimated **242.87 kg CO2 eq.**

To enhance the environmental performance of our products throughout their entire lifecycle, UltrArmor employs Product Carbon Footprint (PCF) and Life Cycle Assessment (LCA) methodologies to evaluate environmental impacts at every stage. The PCF includes both direct and indirect greenhouse gas (GHG) emissions, measured in carbon dioxide equivalents (CO_2e), using the Global Warming Potential (GWP) values from the IPCC 2021 assessment. This evaluation spans the entire value chain—from raw material extraction, manufacturing, and transportation to product use and end-of-life disposal—helping us identify key emission hotspots and support the achievement of sustainability goals.

GHG Emissions			
Lifecycle Stage	Greenhouse Gas Emissions	Unit	Percentage (%)
Raw Material Stage	64.69	kg CO_2 eq.	26.7%
Manufacturing Stage	22.13	kg CO_2 eq.	9.1%
Distribution & Sales Stage	108.24	kg CO_2 eq.	44.6%
Use Stage	47.51	kg CO_2 eq.	19.6%
End-of-Life Disposal Stage	0.30	kg CO_2 eq.	0.1%
Total	242.87	kg CO_2 eq.	100%

UltrArmor's environmental impact calculations follow the ISO 14040 and ISO 14044 standards. All estimated impact results involve a degree of uncertainty, primarily due to data limitations and variations in data quality. To minimize these uncertainties, UltrArmor has commissioned SGS, a professional third-party organization, to conduct the assessments. SGS integrates UltrArmor's internal processes and product data with high-quality LCA datasets to deliver accurate evaluations. While UltrArmor is committed to providing the most reliable environmental impact results, inherent uncertainties cannot be entirely eliminated. Therefore, these results should be interpreted with consideration of the underlying assumptions and actual conditions.

Lifetime of product (years)	5 Year
Use location	Europe
Use energy demand (kWh/year)	28.11 (230V/50Hz)
Product weight (kg)	1.5Kg/per unit
Final manufacturing location	China

We have planned and carried out the relevant work in accordance with applicable requirements to obtain the necessary information, explanations, and evidence. This enables us to provide reasonable assurance regarding the accuracy of the life cycle greenhouse gas (GHG) emissions data for the Desktop Thin Client UA3 N370.

Criteria

- Based on ISO 14067:2018 principles
- Uses IPCC 2021 AR6 GWP values for GHG emission assessment
- Focuses on product life cycle emissions
- Learn more at the UltrArmor website (Formal report available)