

Product Carbon Footprint Information sheet Fujitsu Server PRIMERGY RX1440 M2

Fujitsu Product Carbon Footprint (PCF) Mar 2024

Fujitsu's Environmental Philosophy and Mission

Environmental sustainability has always formed a core part of Fujitsu's business. From the adoption of park-style design for our factory in Kawasaki in 1935 to today's ambitious Fujitsu Group Environmental Action Plan, sustainability is a key to every stage of our end to end ICT services. Significant climate change and declining biodiversity are just two of many serious environmental issues that continue to escalate on a global scale. Furthermore, with the world's population now more than 7 billion, there are rising concerns about a shortage of food, water, energy and other resources. As a global ICT company, Fujitsu can create new value and transforms business and society. The Fujitsu Group is committed to helping resolve global nvironmental issues through the power of ICT. There are further activities from Fujitsu regarding climate change. Mid/long term vision and further activities are visible on the internet.



[FUJITSU Climate and Energy Vision:Fujitsu Global](#)

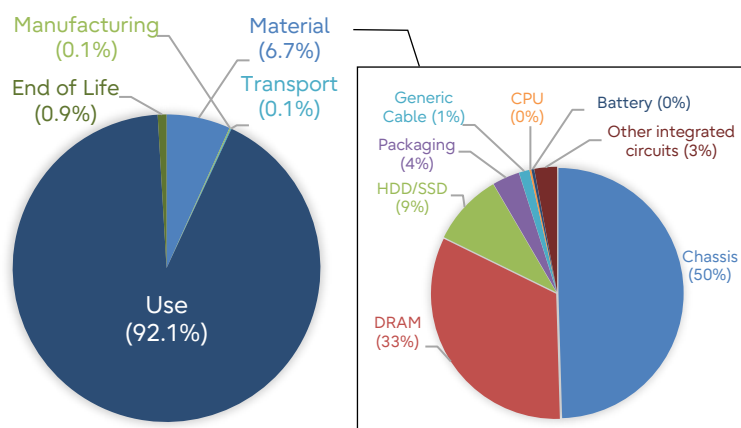
Minimum and Less Estimated Product Carbon Footprint

2620 kg CO₂eq

The information provided here has been calculated using the LCA tool. This value represents the product's carbon footprint and represents the product life cycle.

GHG Emission

Each phase of the life cycle can be divided into five categories: raw materials, Manufacturing, transportation, use^{*1}, and End of Life(EoL). The results by each stage are shown in the graph on the right.



*1 The carbon intensity of electricity (grams of CO₂e/kWh) is collected from reliable sources such as eea.europa.eu.



*2 CPU: AMD EPYC 9124 Processor
Assuming the server is operated at 30% of potential maximum utilization for 24 hours a day, 365 days a year, and for 4 years.

Assumptions of calculating product carbon footprint*2 :

Life time of product	4 years
Assembly location	EU
Use location	EU
Server type	Rack
Product weight	17.38 kg
CPU Quantity	1
DRAM Quantity	128 GB (x4 32GB)
HDD/SSD Quantity	x2 1.2TB HDD SAS 2.5'
Use energy demand (Yearly TEC)	2,403 kWh

Disclaimer
Fujitsu uses Internal LCA tool(ver.8) which is based on ISO 14040 and 44 to address its products carbon footprint. The information in this document is an excerpt of a report created with the LCA tool and is subject to change without notice.
LCA data can not be compared between different product models or different vendors. This is because LCA is a simulation of device using specific parameters and certain assumptions about external variables will vary greatly from one study to another, resulting in differing LCA outcomes.

Contact
Fujitsu LIMITED
www.fujitsu.com

© Fujitsu 2024. All rights reserved. Fujitsu and Fujitsu logo are trademarks of Fujitsu Limited registered in many jurisdictions worldwide. Other product, service and company names mentioned herein may be trademarks of Fujitsu or other companies. This document is current as of the initial date of publication and subject to be changed by Fujitsu without notice. This material is provided for information purposes only and Fujitsu assumes no liability related to its use.