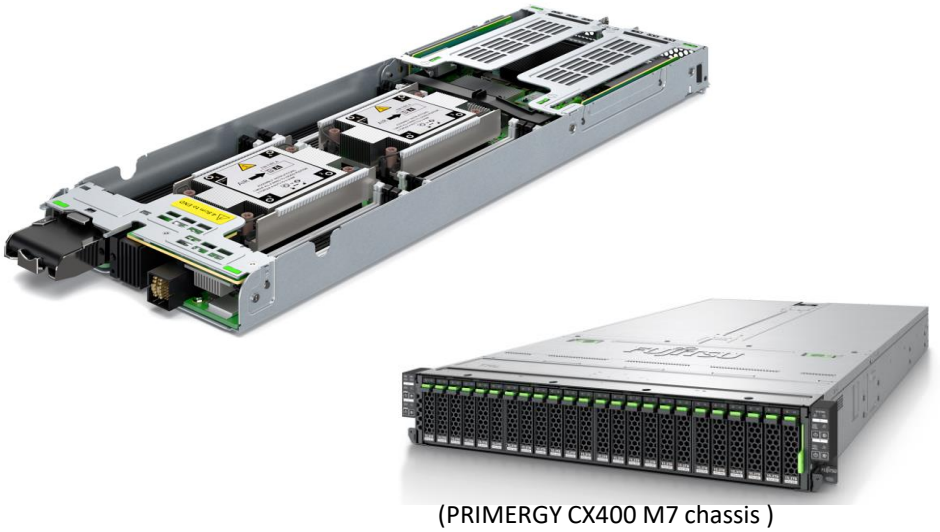
Fujitsu Limited　　Fujitsu Server PRIMERGY CX2560 M7



(PRIMERGY CX400 M7 chassis)

Functional unit

The calculation is based on one CX400 M7 with four CX2560 M7.

System boundary

■ final products　　□intermediate products

Raw material acquisition, Production, Distribution, Use & maintenance, End-of-Life

Main specifications of the product

Product:

CX2560 M7 : PYC2567RAN

CX400 M7 chassis : PY-MC4065

Multi-Node Server

(Four CX2560 M7 in the CX400 M7 chassis)

CPU: Dual Socket /CX2560 M7

Intel® Xeon® Scalable Processors

Dimensions:

CX2560 M7 : 193.5 × 580.5 × 40 mm

CX400 M7 chassis : 443.5 × 860 × 86.5 (2U) mm

(Dimensions without protrusions)

Use period: 5 years

Company Information

Fujitsu Limited

https://www.fujitsu.com/jp/products/computing/servers/primergy/

Registration#	JR-BF-23005E
PCR number	PA-520000-BF-04
PCR name	IT equipments
Publication date	9/27/2023
Verification date	9/5/2023
Verification method	Product-by-product
Verification#	JV-BF-23005
Expiration date	9/4/2028

PCR review was conducted by:

Approval date	8/15/2023
PCR review panel chair	Ken Yamagishi (SuMPO)

Third party verifier*

Hiroyuki Uchida

Independent verification of data & declaration in accordance with ISO14025

□internal　　■external

*Auditor's name is stated if system certification has been performed.

EcoLeaf

Type III Environmental Declaration (EPD)

Registration number： JR-BF-23005E

Japan EPD Program by SuMPO

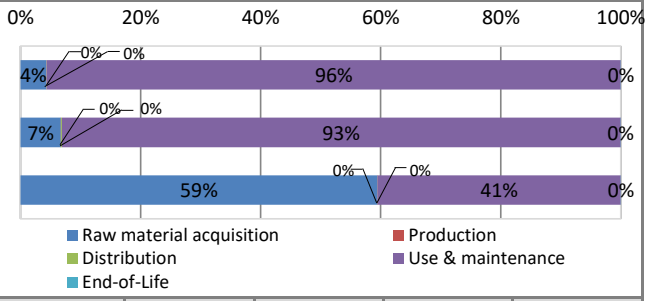
Sustainable Management Promotion Organization

14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan

https://ecoleaf-label.jp/

1. Results of life cycle impact assessment (LCIA)

Global warming IPCC2013 GWP100a	36000	kg-CO2eq
Acidification	13	kg-SO2eq
Resources consumption	0.36	kg-Sbeq



Parameter \ stage	Unit	Total	Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a	kg-CO_2eq	3.6E+04	1.6E+03	5.9E+00	7.1E+00	3.5E+04	3.3E+00
Ozone layer destruction	kg-CFC-11eq	2.0E-04	2.0E-04	2.6E-11	5.9E-11	1.5E-07	2.6E-09
Acidification	kg-SO_2eq	1.3E+01	8.9E-01	2.1E-03	2.4E-02	1.2E+01	4.0E-03
Urban area air pollution	kg-SO_2eq	5.7E+00	5.3E-01	8.9E-04	8.8E-03	5.2E+00	2.2E-03
Photochemical ozone	kg-C_2H_4eq	8.3E-01	2.0E-02	1.4E-04	4.3E-05	8.1E-01	3.7E-05
Toxic chemicals(cancer)	kg-C_6H_6eq	4.2E-01	2.3E-01	3.3E-05	2.3E-09	1.9E-01	5.3E-06
Toxic chemicals(chronic disease)	kg-C_6H_6eq	3.0E-02	1.3E-03	4.8E-06	3.4E-10	2.8E-02	7.8E-07
Aquatic toxicity	kg-C_6H_6eq	4.5E+01	1.7E+00	7.4E-03	5.2E-07	4.3E+01	1.2E-03
Biological toxity	kg-C_6H_6eq	1.1E+03	5.9E+01	1.8E-01	1.3E-05	1.1E+03	2.9E-02
Eutrophication	kg-PO_4^{3-}eq	8.6E-04	7.3E-04	3.9E-14	5.0E-14	2.3E-10	1.3E-04
Land use(Occupation)	m^2/year	7.9E+01	2.0E+01	1.0E-02	6.0E-01	5.9E+01	6.3E-02
Land use(Transformation)	m^2	1.6E+00	4.2E-01	2.0E-04	1.2E-02	1.2E+00	1.3E-03
Resources consumption	kg-Sbeq	3.6E-01	2.1E-01	2.5E-05	3.0E-05	1.4E-01	1.4E-05

2. Life cycle inventory analysis (LCI)

Parameter		Unit
Non-renewable material resources	1.3E+02	kg
Non-renewable energy resources	1.4E+04	kg
Non-renewable energy resources	6.1E+05	MJ
Renewable material resources	1.9E+02	kg
Renewable primary energy	2.0E+04	MJ
Consumption of freshwater	5.6E+00	m^3
Emissions, carbon dioxide (fossil), air, unspecified	3.6E+04	kg
Resources, crude oil, 44.7MJ/kg, ground, Non-renewable energy resources	2.2E+03	kg
Emissions, volatile organic compound, air, unspecified	2.6E-03	kg

3. Material composition

Material		Unit
Steel sheet	39	%
Aluminum	1	%
Copper	7	%
ABS	1	%
PC	2	%
PBT	2	%
Printed circuit board	34	%
Cardboard	8	%
Others	6	%

5. Additional explanation

- Scenario Product Type: Computer Server (excluding the blade system)
- Product Name: PRIMERGY CX2560 M7 Model Name: PYC2567RAN(CX2560 M7), PY-MC4065(CX400 M7 chassis)
- Mesurement conditions: Power consumption during use is measured by the measurement method specified by PCR (PA-520000-BF-04)
- Use period: 5 years
- Take-back rate: Calculated assuming 100%
- Use Location: Japan
- Product Configuration:

Four CX2560 M7 in the CX400 M7 chassis

CPU: Intel® Xeon® Gold 5415+ x2 /CX2560 M7 x1

(Adjusted Peak Performance(APP): 0.222720WT, Gigaflops: 742.4 GFLOPS)

DIMM : 16GB DDR5 x16 /CX2560 M7 x1

HDD : 2.5inch 2.4TB x8

6-1. Supplementary environmental information

Compliant with the International Energy Star Program Ver3.0. It also complies with the European RoHS Directive.

7. Assumptions of secondary data used

IDEA v2.1.3 and SuMPO Enviromental Label Program Registration Data Ver 1.13 are used.

8. Remarks

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- For data quantification, please refer to PCR and Rules on quantification and declaration.
- Comparative assertion is permitted only when Rules on quantification and declaration are satisfied.
  (Reference URL : https://ecoleaf-label.jp/regulation/)