

Technical Documentation for EU regulation 2019/424 for Servers and Data Storage Products from (ErP) Directive 2009/125/EC EcoDesign Requirements for Energy Related Products

Oracle America Inc.
 4090 Network Circle
 Santa Clara, CA 95054 USA
www.oracle.com

Product Type	Rack-mount Server
Name/Address of Manufacturer	Oracle America Inc
Product Model Number	X11M Server, all models as defined in the DoC
Compliance Model Number	ZU2XL
Year of Manufacture	2024
PSU Efficiency	10% Load: 91.20% 20% Load: 94.92% 50% Load: 96.49% 100% Load: 95.92%
Power Factor at 50% load	0.99
Power Supply rated power output	1400W
Idle State Power	199 Watts (High End) 211 Watts (Low End)
Additional Idle Power Allowances	High End 2 x AMD EPYC 9J25 CPU 3000GB RAM 3 SSD Drives 1 PSU Allowance 1 1GigE Network connection No extra NIC allowance
	Low End 1 x AMD EPYC 9J15 CPU 125GB RAM 2 SSD Drives 12 HDD Drives 1 PSU Allowance 1 1GigE Network connection No extra NIC allowance

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Maximum Measured Power	1371 Watts (High End) 482 Watts (Low End)
Declared Operating Condition Class	A2
Active State Efficiency	102.9 (High End) 44.9 (Low End)
Products disassembly for service	Oracle products are designed to be readily disassembled for Service. See product Service Manual for details.
Content of Cobalt in batteries and Neodymium in HDDs	Cobalt weight is less than 5g Neodymium Content HDDs with a capacity of 18TB are less than 5g. HDDs with a capacity greater than 18TB have a content between 5g – 25g
Secure deletion functionality	See Note 1

Note 1:

Oracle provides as a part of its Operating System (Oracle Linux, and Solaris) an interface to send commands to attached storage devices. This interface permits issuing commands to trigger secure data deletion

All Oracle storage devices respond to the Operating system commands in any one of the following ways, to comply with the 'secure data deletion' requirement.

1. Overwriting all User blocks of data using write commands
2. Sanitize command - removing reference to User data blocks
3. Key deletion command- Changing encryption keys

In cases where Overwrite of the specific block is either not possible or not supported, Sanitize & key deletion will be used to accomplish the secure deletion intent of the regulation.