



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.
500 Oracle Parkway
Redwood Shores, CA 94065 USA
www.oracle.com

Product Type	Resilient Server
Name/Address of Manufacturer	Oracle America Inc...
Product Model Number	X8-8
Compliance Model Number	X78SVR
Year of Manufacture	2019
PSU Efficiency	10% Load: 94.75% 20% Load: 95.36% 50% Load: 96.07% 100% Load: 94.39%
Power Factor at 50% load	0.99
Power Supply rated power output	3060W
Idle State Power	X8-8 with 4 CPU's (Intel Xeon 8268, 2.9GHz)/Node, 48 DIMMs (32GB, DDR4, 2666MT/s)/Node, 1.2TB SFF HDD/Node, 4 NIC's/Node, 2 PSUs (1 Active)/Node @ 20 DegC
Maximum Measured Power	http://www.oracle.com/us/products/servers-storage/sun-power-calculators/index.html
Declared Operating Condition Class	A1
Idle power consumption at high boundary of declared operating condition	X8-8 with 4 CPU's (Intel Xeon 8268, 2.9GHz)/Node, 48 DIMMs (32GB, DDR4, 2666MT/s)/Node, 1.2TB SFF HDD/Node, 4 NIC's/Node, 2 PSUs (1 Active)/Node @ 35 DegC
Products disassembly for service	Oracle products are designed to be readily disassembled for Service. See product Service Manual for details.



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Content of Cobalt in batteries and Neodymium in HDDs

Secure deletion functionality

Cobalt weight is less than 5g
Neodymium Content
HDDs with a capacity of 1.2G, 8TB and 10TB fall within 5g & 25g
HDDs with a capacity of 14TB are less than 5g.
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.