H3C IT RACK Series Product Information for Ecodesign Requirements of (EU) 2019/424

Regulatory Reference: COMMISSION REGULATION (EU) 2019/424, implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to Ecodesign requirements for servers and online data storage products.

Product Type	Server
Manufacturer	New H3C Technologies Co., Ltd
Trade	H3C
Address	No.466 Changhe Road, Binjiang District, Hangzhou, Zhejiang 310052, P.R.China
Product Model	H3C UniServer R4900 G7
Year of Manufacture	2024

PSU Efficiency

PSU model	CRPS1600C2			
Rated Output	+12.2V/132A,+12VSB/3.0A			
Rated Load	10%	20%	50%	100%
PSU Efficiency	93%	95%	96%	91%
Power Factor	0.96	0.99	0.99	0.99

PSU model	PSR850-12A			
Rated Output	+12V/70.8A,+12VSB/3.0A			
Rated Load	10%	20%	50%	100%
PSU Efficiency	92%	95%	96%	94%
Power Factor	0.96	0.97	0.99	0.99

PSU model	PS-2162-12L5			
Rated Output	+12V/131.20A,+12VSB/2.1A			
Rated Load	10%	20%	50%	100%
PSU Efficiency	91%	95%	96%	94%
Power Factor	0.91	0.99	0.99	0.99

PSU model	CRPS3200T
Rated Output	+12V/262.3A,+12VSB/3.0A

Rated Load	10%	20%	50%	100%
PSU Efficiency	93%	96%	96%	92%
Power Factor	0.98	0.99	0.99	0.99

Note1: DC-DC internal power supplies don't need to fill in the form.
Note2: External Power Supplies (EPS) are regulated as a separate component in the European Union and a separate compliance document is required for EPSs. Leave Internal Power Supply test data fields blank for products that use an EPS (and that do not use an internal power supply).

Idle State Power (W) and Active state efficiency

The test for Idle State power and Active State Efficiency is based on ETSI EN 303 470 V1.1.1 (2019-03)- Environmental Engineering (EE); Energy Efficiency measurement methodology and metrics for servers.

Configuration	Idle State Power (W)	Active state efficiency
Low-end performance configuration	196.7	72
High-end performance configuration	195.5	85.9

Note: SERT Active State Efficiency must be higher to pass to table 5 of the Regulation. SERT Idle State Power must be lower than the calculated limit to pass- described in Annex II 2.1 of the Regulation.

Components List for additional idle power allowances

Low-end performance:

System characteristics	Quantity	Additional Idle Power Allowances
CPU Performance	2	17.5
Additional PSU	2	20
HDD or SSD	2	10
Additional Memory (GB)	1020	183.56
Additional buffered DDR Channel	24	96
Additional I/O devices	0	0
Total additional idle power allowances	/	365.06

High-end performance:

System characteristics	Quantity	Additional Idle Power Allowances
CPU Performance	2	14
Additional PSU	2	20
HDD or SSD	2	10
Additional Memory (GB)	1020	183.56
Additional buffered DDR Channel	24	96
Additional I/O devices	0	0

Total additional idle power allowances	/	361.56

Maximum Power (W)

Configuration	Maximum Power
Low-end performance configuration	1232.86
High-end performance configuration	1334.84

Operating Condition Class

	Dry bulb temp ℃		Humidity range, non-condensing			
Operating Condition Class	Allowable Range	Recommended Range	Allowable Range	Recommended Range	Max Dew Point (℃)	Maximum rate of Change (℃/hr)
A4	5-45	18-27	-12 °C DP and 8 % RH to 24 °C DP and 90 % RH	-9 °C DP to 15 °C DP and 60 % RH	24	5/20

Idle State Power at the higher boundary temperature of the declared operating condition class

Configuration	Idle State Power
Low-end performance configuration	196.76
High-end performance configuration	195.54

Secure data deletion functionality

Instruction on how to use	Copy the script and run it in the OS
Used Techniques	All data covered in the whole disk
Supported standards	DoD 5220.22-M

List of all model configurations

Computing	2 Intel® Xeon® 6 Processors 144 Cores for each Processor and 330W power consumption
Memory	32 DDR5 RDIMM Slots, 6400 MT/s Data Rate, 8TB on 2 CPU Configuration with 256G DDR5 RDIMM
Storage	29 Drives

	Front 12LFF bays, Rear 4LFF bays Front 25SFF bays, Rear 4SFF bays SAS/SATA HDD/SSD Drives, 24 U.2 NVMe Drives, 36 E3.S SSD, 8 E1.S SSD slots SATA/NVMe M.2 Kit, DSD Model (2 x SD card kit) 4 Drive Tri-Mode Backplan
GPU	10 Single-Slot or 3 Dual-Slot GPU Modules

Note: The configurations of server product family are end-user configurable / selectable, the detail can be found at http://www.h3c.com

The Concentration of Cobalt and Neodymium

Item	Description
Cobalt in battery	Less than 5g
Neodymium in HDD	between 5 g and 25 g

Disassembly Operations

Operation Type	Description	
Data Storage Device	Release buckle	
Memory	Release buckle	
CPU	Remove Screw	
Motherboard	Remove Screw	
Expansion/Graphic Card	Remove Screw&Release buckle	
PSU	Release buckle	
Chassis	Release buckle	
Batteries	Release buckle	
Fastening technique type	Quantity	Required Tool
Trox Screw	27	Trox Screw Driver T15
Trox Screw	33	Trox Screw Driver T10
Trox Screw	8	Trox Screw Driver T30
Philps Screw	28	Philps Screw Driver #2
Pan Head Screw	3	Pan Head Screw Driver Medium
Buckle	80	/