



## PowerEdge R250 2 TB (1U) Intel Xeon E E-2314 2.8 GHz 8 GB DDR4-SDRAM 450 W

DELL

PowerEdge

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R250



PowerEdge R250. Processor: Intel Xeon E, Frequency: 2.8 GHz, Model: E-2314. Memory: 8 GB, Type: DDR4-SDRAM, Configuration: 1 x 8 GB. Storage: 2 TB, Form Factor: 3.5", Interface: SATA III. Network: 10/100/1000Base-T(X). Power: 450 W. Form Factor: 1U



Processor		Software	
Processor manufacturer *	Intel	Compatible operating systems *	Canonical® Ubuntu® Server LTS
Processor family *	Intel Xeon E		Citrix® Hypervisor Microsoft®
Processor model *	E-2314		Windows Server® with Hyper-V
Processor frequency *	2.8 GHz		RedHat® Enterprise Linux SUSE®
Processor boost frequency	4.5 GHz		Linux Enterprise Server VMware®
Processor cache	8 MB		ESXi®
Number of processors installed	1		
Execute Disable Bit	✓		
Idle States	✓		
Memory		Processor special features	
Internal memory *	8 GB	CPU configuration (max)	1
Internal memory type *	DDR4-SDRAM	Enhanced Intel SpeedStep Technology	✓
Buffered memory type	Unregistered (unbuffered)	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory slots	4x DIMM	Intel Trusted Execution Technology	✓
ECC	✓	Intel VT-x with Extended Page Tables (EPT)	✓
Memory layout (slots x size)	1 x 8 GB	Intel Software Guard Extensions (Intel SGX)	✓
Memory data transfer rate	3200 MT/s	Intel 64	✓
Maximum internal memory *	128 GB	Intel Virtualization Technology (VT-x)	✓
Storage		Power	
Total storage capacity *	2 TB	Redundant power supply (RPS) support *	✗
Number of HDDs installed	1	Power supply *	450 W
HDD capacity	2 TB	Number of main power supplies	1
HDD interface	SATA III	Power cable length	2 m
HDD speed	7200 RPM	Power cable connector 1	C13 coupler
HDD size	3.5"	Power cable connector 2	C14 coupler
Number of HDDs supported	4	Power cable current	10 A
Supported HDD sizes	3.5"		

<b>Storage</b>		<b>Logistics data</b>	
RAID support *	✗	Harmonized System (HS) code	84714100
Hot-Plug support	✓	<b>Carbon footprint</b>	
Optical drive type *	✗	Total carbon footprint (kg of CO2e)	2100
<b>Graphics</b>		Total carbon emissions, standard deviation (kg of CO2e)	935
On-board graphics card model	Not available	Carbon emissions, manufacturing (kg of CO2e)	505
<b>Network</b>		Carbon emissions, logistics (kg of CO2e)	110
LAN controller	Broadcom 5720	Carbon emissions, energy usage (kg of CO2e)	1470
Ethernet LAN	✓	Carbon emissions, end-of-life (kg of CO2e)	17
Cabling technology	10/100/1000Base-T(X)	Total carbon emissions, w/o use phase (kg of CO2e)	632
Ethernet interface type	Gigabit Ethernet	PAIA version	1.3.2, 2022
<b>Ports &amp; interfaces</b>		<b>Weight &amp; dimensions</b>	
Ethernet LAN (RJ-45) ports *	2	Width	482 mm
USB 2.0 ports quantity	2	Height	42.8 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	1	<b>Other features</b>	
VGA (D-Sub) ports quantity	1	Data transfer rate	6 Gbit/s
<b>Design</b>		Bytes per sector	512n
Chassis type *	Rack (1U)		
Product colour	Black		
Rack mounting	✓		
<b>Performance</b>			
Remote administration	iDRAC9, Express 15G		
<b>Software</b>			
Operating system installed *	✗		



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