



DELL PowerEdge T430 server 300 GB Tower (5U) Intel® Xeon® E5 v4 E5-2620V4 2,1 GHz 8 GB DDR4-SDRAM

Brand : DELL

Product family: PowerEdge

Product code:
T430-0855ROKDA

Product name : T430

16x 2.5", Intel Xeon E5-2620 v4 (20M Cache, 2.10 GHz), 8GB, 300GB, PERC H330, DVD+/-RW, iDRAC 8 Express + ROK Datacenter
DELL PowerEdge T430. Processor family: Intel® Xeon® E5 v4, Processor frequency: 2,1 GHz, Processor model: E5-2620V4. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 300 GB. Ethernet LAN, Cabling technology: 10/100/1000Base-T(X). Optical drive type: DVD±RW. Chassis type: Tower (5U)



Processor		Network	
Processor manufacturer *	Intel	Ethernet interface type	Gigabit Ethernet
Processor family *	Intel® Xeon® E5 v4	Ports & interfaces	
Processor model *	E5-2620V4	Ethernet LAN (RJ-45) ports *	2
Processor frequency *	2,1 GHz	USB 2.0 ports quantity	6
Processor boost frequency	3 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	2
Processor cores	8	VGA (D-Sub) ports quantity	1
Processor cache	20 MB	Serial ports quantity	1
Motherboard chipset	Intel C610	Expansion slots	
Memory channels supported by processor	Quad	PCI Express x1 (Gen 2.x) slots	1
Number of processors installed	1	PCI Express x8 (Gen 3.x) slots	2
Thermal Design Power (TDP)	85 W	PCI Express x16 (Gen 3.x) slots	2
Processor cache type	Smart Cache	PCI Express slots version	3.0
System bus rate	8 GT/s	Design	
Maximum number of SMP processors	2	Chassis type *	Tower (5U)
Compatible processor series	Intel® Xeon®	Performance	
Processor socket	LGA 2011-v3	Trusted Platform Module (TPM)	✓
Processor lithography	14 nm	Trusted Platform Module (TPM) version	1.2
Processor threads	16	Software	
Processor operating modes	64-bit	Compatible operating systems *	Windows Server 2008 SP2 (x86/x64)
Stepping	R0		Windows Server 2012 SP2 (x86/x64)
Bus type	QPI	Compatible operating systems *	Windows Server 2008 R2 (x64)
Number of QPI links	2		Windows Server 2012 R2 (x64)
Processor codename	Broadwell		Novell SUSE Linux Enterprise Server
Tcase	74 °C		Red Hat Enterprise Linux VMware
Maximum internal memory supported by processor	1,54 TB		vSphere
Memory types supported by processor	DDR4-SDRAM	Processor special features	
Memory clock speeds supported by processor	1600,1866,2133 MHz	CPU configuration (max)	2
Memory bandwidth supported by processor (max)	68,3 GB/s	Enhanced Intel SpeedStep Technology	✓
ECC supported by processor	✓	Intel® Identity Protection Technology (Intel® IPT)	✗
Execute Disable Bit	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓

Processor		Processor special features	
Idle States	✓	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Thermal Monitoring Technologies	✓	Intel® Turbo Boost Technology	2.0
Maximum number of PCI Express lanes	40	Intel Flex Memory Access	✗
Processor package size	45 x 52.5 mm	Intel® AES New Instructions (Intel® AES-NI)	✓
Supported instruction sets	AVX 2.0	Intel Trusted Execution Technology	✓
Processor code	SR2R6	Intel Enhanced Halt State	✓
Scalability	25	Intel VT-x with Extended Page Tables (EPT)	✓
Physical Address Extension (PAE)	✓	Intel Demand Based Switching	✓
Physical Address Extension (PAE)	46 bit	Intel® Secure Key	✓
Embedded options available	✓	Intel TSX-NI	✓
Processor series	Intel Xeon E5-2600 v4	Intel® OS Guard	✓
Conflict-Free processor	✓	Intel 64	✓
Memory		Intel Identity Protection Technology version	0,00
Internal memory *	8 GB	Intel Secure Key Technology version	1,00
Internal memory type *	DDR4-SDRAM	Intel Virtualization Technology (VT-x)	✓
Memory slots	12	Intel TSX-NI version	1,00
ECC	✓	Processor ARK ID	92986
Memory clock speed	2133 MHz	Operational conditions	
Maximum internal memory *	384 GB	Operating temperature (T-T)	10 - 35 °C
Storage		Storage temperature (T-T)	-40 - 65 °C
Total storage capacity *	300 GB	Operating relative humidity (H-H)	10 - 80%
Number of HDDs installed	1	Storage relative humidity (H-H)	5 - 95%
Supported HDD sizes	2.5"	Operating altitude	0 - 3048 m
RAID support *	✓	Non-operating altitude	0 - 12000 m
RAID levels	0, 1, 5, 6, 10, 50	Weight & dimensions	
Hot-Plug support	✓	Width	430,2 mm
Optical drive type *	DVD±RW	Depth	584 mm
Internal drive bays	16	Height	444,3 mm
Graphics			
Maximum graphics card memory	16 MB		
Network			
Ethernet LAN	✓		
Cabling technology	10/100/1000Base-T(X)		

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