



**Lenovo ThinkStation P300 SFF Intel® Xeon® E3 V3 Family  
E3-1231V3 4 GB DDR3-SDRAM 1 TB HDD NVIDIA® Quadro® 410  
Windows 7 Professional Workstation** □□□□□□

**Brand :** Lenovo

**Product family:** ThinkStation

**Product code:** 30AK000EGE

**Product name :** P300 SFF



Processor		Software	
Processor manufacturer *	Intel	Operating system installed *	Windows 7 Professional
Processor family *	Intel® Xeon® E3 V3 Family	Operating system architecture	64-bit
Processor model *	E3-1231V3	<b>Processor special features</b>	
Processor cores	4	Intel® Wireless Display (Intel® WiDi)	✗
Processor threads	8	Intel 64	✓
Processor boost frequency	3.8 GHz	Enhanced Intel SpeedStep Technology	✓
Processor frequency *	3.4 GHz	Embedded options available	✗
Processor socket	LGA 1150 (Socket H3)	Intel® InTru™ 3D Technology	✗
Processor cache	8 MB	Intel® Insider™	✗
Processor cache type	Smart Cache	Intel® Clear Video HD Technology (Intel® CVT HD)	✗
System bus rate	5 GT/s	Intel Clear Video Technology	✗
Bus type	DMI2	Intel VT-x with Extended Page Tables (EPT)	✓
FSB Parity	✗	Intel TSX-NI	✓
Processor lithography	22 nm	Idle States	✓
Processor operating modes	32-bit, 64-bit	Thermal Monitoring Technologies	✓
Processor series	Intel Xeon E3-1200 v3	Intel Stable Image Platform Program (SIPP)	✓
Processor codename	Haswell	Intel® AES New Instructions (Intel® AES-NI)	✓
Thermal Design Power (TDP)	80 W	Intel® Secure Key	✓
PCI Express slots version	3.0	Intel® OS Guard	✓
Maximum number of PCI Express lanes	16	Intel Trusted Execution Technology	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Execute Disable Bit	✓
Number of processors installed	1	Intel FDI Technology	✗
Stepping	C0	Intel Flex Memory Access	✓
Maximum internal memory supported by processor	32 GB	Intel Fast Memory Access	✓
Memory types supported by processor	DDR3-SDRAM	Intel® Smart Cache	✓
Memory clock speeds supported by processor	1333,1600 MHz	Intel Enhanced Halt State	✓
Memory bandwidth supported by processor (max)	25.6 GB/s	Intel Demand Based Switching	✗
ECC supported by processor	✓	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
<b>Memory</b>		Processor package size	37.5 x 37.5 mm
Internal memory *	4 GB		
Maximum internal memory *	32 GB		
Internal memory type	DDR3-SDRAM		
Memory layout (slots x size)	1 x 4 GB		

Memory		Processor special features	
Memory slots	4x DIMM	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Memory clock speed	1600 MHz	Scalability	1S
Non-ECC	✓	CPU configuration (max)	1
Memory channels	Dual-channel	Graphics & IMC lithography	22 nm
Storage		Thermal solution specification	PCG 2013D
Total storage capacity *	1 TB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Storage media *	HDD	Intel Identity Protection Technology version	1.00
Optical drive type *	DVD±RW	Intel Stable Image Platform Program (SIPP) version	1.00
Number of storage drives installed	1	Intel Secure Key Technology version	1.00
Number of HDDs installed	1	Intel Virtualization Technology (VT-x)	✓
HDD capacity	1 TB	Intel TSX-NI version	1.00
HDD interface	SATA III	Intel Dual Display Capable Technology	✗
HDD speed	7200 RPM	Intel I/O Acceleration Technology	✓
HDD size	3.5"	Intel Rapid Storage Technology	✗
Card reader integrated	✓	Processor ARK ID	80910
Graphics		Intel® Turbo Boost Technology	2.0
On-board graphics card *	✗	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Discrete graphics card model *	NVIDIA® Quadro® 410	Intel® Quick Sync Video Technology	✗
Discrete graphics card memory	0.512 GB	Intel® My WiFi Technology (Intel® MWT)	✗
Number of discrete graphics cards	1	Intel® Identity Protection Technology (Intel® IPT)	✓
On-board graphics card model *	Not available	Intel® Anti-Theft Technology (Intel® AT)	✓
Network		Conflict-Free processor	✗
Ethernet LAN *	✓	Power	
Ethernet LAN data rates	10,100,1000 Mbit/s	Power supply *	240 W
Cabling technology	10/100/1000Base-T(X)	Power supply input voltage	100 - 240 V
Wi-Fi *	✗	Power supply input frequency	50 - 60 Hz
Ports & interfaces		Certificates	
USB 2.0 ports quantity *	2	Compliance certificates	RoHS
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	6	Sustainability	
VGA (D-Sub) ports quantity	1	Sustainability certificates	EPEAT Gold, ENERGY STAR
DVI port	✓	Weight & dimensions	
DisplayPorts quantity	3	Width *	338 mm
Ethernet LAN (RJ-45) ports	1	Depth *	394.5 mm
Microphone in	✓	Height *	102 mm
Headphone outputs	1	Weight *	7.8 kg
Line-out	✓	Packaging content	
Line-in	✓	Mouse included	✗
Serial ports quantity	1	Keyboard included	✗
Expansion slots		Display	
PCI Express x1 (Gen 2.x) slots	1	Display included *	✗
PCI Express x16 (Gen 2.x) slots	1	Other features	
PCI Express x16 (Gen 3.x) slots	1	Optical drives quantity	1
PCI slots	1	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Design			
Chassis type *	SFF		
Placement supported	Horizontal/Vertical		
Product colour *	Black		
Performance			
Motherboard chipset	Intel® C226		
Audio system	HD		
Product type *	Workstation		

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