



## Lenovo ThinkStation P300 Intel® Core™ i5 i5-4570 4 GB DDR3-SDRAM 500 GB Unidad de disco duro NVIDIA® Quadro® K600 Windows 7 Professional SFF Estación de trabajo Negro

**Marca :** Lenovo

**Familia de productos:**  
ThinkStation

**Código del producto:**  
30AJA003LM

**Nombre del producto :** P300

Intel Core i5-4570 (6M Cache, up to 3.60 GHz), 4GB DDR3 SDRAM, 500GB HDD, HD Graphics 4600 + NVIDIA Quadro K600 1GB, Gigabit Ethernet, DVD±RW, Windows 8 Pro 64-bit/Windows 7 Professional 64-bit

Lenovo ThinkStation P300. Frecuencia del procesador: 3.2 GHz, Familia de procesador: Intel® Core™ i5, Modelo del procesador: i5-4570. Memoria interna: 4 GB, Tipo de memoria interna: DDR3-SDRAM, Velocidad de memoria del reloj: 1600 MHz. Capacidad total de almacenaje: 500 GB, Unidad de almacenamiento: Unidad de disco duro, Tipo de unidad óptica: DVD±RW. Modelo de gráficos en tarjeta: Intel® HD Graphics 4600, Modelo de adaptador de gráficos discretos: NVIDIA® Quadro® K600. Sistema operativo instalado: Windows 7 Professional, Arquitectura del sistema operativo: 64-bit. Fuente de alimentación: 240 W. Tipo de producto: Estación de trabajo



Processor		Performance	
Processor manufacturer *	Intel	Motherboard chipset	Intel® C226
Processor family *	Intel® Core™ i5	Audio system	HD
Processor generation	4th gen Intel® Core™ i5	Password protection	✓
Processor model *	i5-4570	Password protection type	BIOS
Processor cores	4	Product type *	Workstation
Processor threads	4	Software	
Processor boost frequency	3.6 GHz	Operating system installed *	Windows 7 Professional
Processor frequency *	3.2 GHz	Operating system architecture	64-bit
Processor socket	LGA 1150 (Socket H3)	Recovery operating system	Windows 8 Pro
Processor cache	6 MB	Processor special features	
Processor cache type	Smart Cache	Intel® Small Business Advantage (Intel® SBA)	✗
System bus rate	5 GT/s	Intel® Wireless Display (Intel® WiDi)	✓
Bus type	DMI2	Intel 64	✓
FSB Parity	✗	Enhanced Intel SpeedStep Technology	✓
Processor lithography	28 nm	Embedded options available	✗
Processor operating modes	64-bit	Intel® InTru™ 3D Technology	✓
Processor series	Intel Core i5-4500 Desktop Series	Intel® Insider™	✓
Processor codename	Haswell	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Thermal Design Power (TDP)	84 W	Intel Clear Video Technology	✗
Tcase	72.72 °C	Intel VT-x with Extended Page Tables (EPT)	✓
PCI Express slots version	3.0	Intel TSX-NI	✗
Maximum number of PCI Express lanes	16	Idle States	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Thermal Monitoring Technologies	✓
Number of processors installed	1	Intel Stable Image Platform Program (SIPP)	✓
Stepping	C0		
Maximum internal memory supported by processor	32 GB		
Memory types supported by processor	DDR3-SDRAM		
Memory clock speeds supported by processor	1333,1600 MHz		

Processor		Processor special features	
Memory bandwidth supported by processor (max)	25.6 GB/s	Intel® AES New Instructions (Intel® AES-NI)	✓
ECC supported by processor	✗	Intel® Secure Key	✓
Memory		Intel® OS Guard	✓
Internal memory *	4 GB	Intel Trusted Execution Technology	✓
Maximum internal memory *	32 GB	Execute Disable Bit	✓
Internal memory type	DDR3-SDRAM	Intel FDI Technology	✓
Memory layout (slots x size)	1 x 4 GB	Intel Flex Memory Access	✗
Memory slots	4x DIMM	Intel Fast Memory Access	✗
Memory clock speed	1600 MHz	Intel® Smart Cache	✓
Non-ECC	✓	Intel Enhanced Halt State	✓
Memory channels	Dual-channel	Intel Demand Based Switching	✗
Storage		Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Total storage capacity *	500 GB	Processor package size	37.5 x 37.5 mm
Storage media *	HDD	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Optical drive type *	DVD±RW	Processor code	SR14E
Number of storage drives installed	1	Scalability	1S
Number of HDDs installed	1	CPU configuration (max)	1
HDD capacity	500 GB	Graphics & IMC lithography	22 nm
HDD interface	SATA	Thermal solution specification	PCG 2013D
HDD speed	7200 RPM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
HDD size	3.5"	Intel Identity Protection Technology version	1.00
Card reader integrated	✓	Intel Stable Image Platform Program (SIPP) version	1.00
Compatible memory cards	SD	Intel Secure Key Technology version	1.00
RAID support	✓	Intel Virtualization Technology (VT-x)	✓
RAID levels	0, 1, 5, 10	Intel Small Business Advantage (SBA) version	1.00
Graphics		Intel TSX-NI version	0.00
On-board graphics card *	✓	Intel Dual Display Capable Technology	✓
Discrete graphics card model *	NVIDIA® Quadro® K600	Intel Rapid Storage Technology	✗
Discrete graphics card memory	1 GB	Processor ARK ID	75043
On-board graphics card family	Intel® HD Graphics	Intel® Smart Response Technology	✗
On-board graphics card model *	Intel® HD Graphics 4600	Intel® Rapid Start Technology	✗
On-board graphics card base frequency	350 MHz	Intel® Turbo Boost Technology	2.0
On-board graphics card dynamic frequency (max)	1150 MHz	Intel Smart Connect Technology	✗
Maximum on-board graphics card memory	1.74 GB	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Number of displays supported (on-board graphics)	3	Intel® Quick Sync Video Technology	✓
On-board graphics card DirectX version	11.1	Intel® My WiFi Technology (Intel® MWT)	✓
On-board graphics card ID	0x412	Intel® Identity Protection Technology (Intel® IPT)	✓
Network		Intel® Anti-Theft Technology (Intel® AT)	✓
Ethernet LAN *	✓	Conflict-Free processor	✓
Ethernet LAN data rates	10,100,1000 Mbit/s	Power	
Cabling technology	10/100/1000Base-T(X)	Power supply *	240 W
Wi-Fi *	✗	Certificates	
Ports & interfaces		Compliance certificates	RoHS
USB 2.0 ports quantity *	2	Sustainability	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	6	Sustainability certificates	EPEAT Gold, ENERGY STAR
VGA (D-Sub) ports quantity	1	Weight & dimensions	
DVI port	✗		
DisplayPorts quantity	2		
Ethernet LAN (RJ-45) ports	1		
Microphone in	✓		
Headphone outputs	1		

Ports & interfaces		Weight & dimensions	
Line-out	✓	Width *	101.6 mm
Line-in	✓	Depth *	375.9 mm
Serial ports quantity	1	Height *	337.8 mm
Expansion slots		Weight *	7.8 kg
PCI Express x1 (Gen 2.x) slots	1	Packaging content	
PCI Express x16 (Gen 2.x) slots	1	Mouse included	✓
PCI Express x16 (Gen 3.x) slots	1	Keyboard included	✓
PCI slots	1	Cables included	AC
Design		Display	
Chassis type *	SFF	Display included *	✗
Placement supported	Horizontal/Vertical	Other features	
Water cooling system	✗	Optical drives quantity	1
Number of 3.5" bays	2	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Number of 2.5" bays	1		
Product colour *	Black		

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