

Lenovo ThinkStation P410 Intel® Xeon® E5 v4 E5-1650V4 16 GB DDR4-SDRAM 256 GB SSD NVIDIA® Quadro® M2000 Windows 10 Pro Tower Workstation Black



Brand : Lenovo

Product family: ThinkStation

Product code: 30B3001VUS

Product name : P410

Intel Xeon Processor E5-1650 v4 (15M Cache, 3.60 GHz), 16GB RAM, 256GB SSD, NVIDIA Quadro M2000, Windows 10 Pro 64

Lenovo ThinkStation P410. Processor frequency: 3.6 GHz, Processor family: Intel® Xeon® E5 v4, Processor model: E5-1650V4. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM, Memory clock speed: 2400 MHz. Total storage capacity: 256 GB, Storage media: SSD, Optical drive type: DVD±RW. Discrete graphics card model: NVIDIA® Quadro® M2000. Operating system installed: Windows 10 Pro, Operating system architecture: 64-bit. Power supply: 450 W. Chassis type: Tower. Product type: Workstation

Processor		Performance	
Processor manufacturer *	Intel	Product type *	Workstation
Processor family *	Intel® Xeon® E5 v4	Software	
Processor model *	E5-1650V4	Operating system architecture	64-bit
Processor cores	6	Operating system installed *	Windows 10 Pro
Processor threads	12	Processor special features	
Processor boost frequency	4 GHz	Intel 64	✓
Processor frequency *	3.6 GHz	Enhanced Intel SpeedStep Technology	✓
Processor socket	LGA 2011-v3	Embedded options available	✗
Processor cache	15 MB	Intel VT-x with Extended Page Tables (EPT)	✓
Processor cache type	Smart Cache	Intel TSX-NI	✓
System bus rate	0 GT/s	Idle States	✓
Bus type	QPI	Thermal Monitoring Technologies	✓
Processor lithography	14 nm	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor operating modes	64-bit	Intel® Secure Key	✓
Processor series	Intel Xeon E5-1600 v4	Intel® OS Guard	✓
Processor codename	Broadwell	Intel Trusted Execution Technology	✓
Thermal Design Power (TDP)	140 W	Execute Disable Bit	✓
Tcase	69 °C	Intel HD Graphics	✗
PCI Express slots version	3.0	Intel Flex Memory Access	✗
Maximum number of PCI Express lanes	40	Intel® Smart Cache	✗
Number of processors installed	1	Intel Enhanced Halt State	✓
Stepping	R0	Intel Demand Based Switching	✓
Maximum internal memory supported by processor	1.53 TB	Processor package size	45 x 52.5 mm
Memory types supported by processor	DDR4-SDRAM	Supported instruction sets	AVX 2.0
Memory clock speeds supported by processor	1600,1866,2133,2400 MHz	Processor code	SR2P7
Memory bandwidth supported by processor (max)	76.8 GB/s	Scalability	1S
ECC supported by processor	✓	Physical Address Extension (PAE)	✓
Memory		Physical Address Extension (PAE)	46 bit
Internal memory *	16 GB	CPU configuration (max)	1
Maximum internal memory *	128 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Internal memory type	DDR4-SDRAM	Intel Identity Protection Technology version	1.00
Memory slots	4x DIMM		
Memory clock speed	2400 MHz		

Memory		Processor special features	
Memory channels	Quad-channel	Intel Secure Key Technology version	1.00
Storage		Intel Virtualization Technology (VT-x)	
Total storage capacity *	256 GB	Intel TSX-NI version	1.00
Storage media *	SSD	Processor ARK ID	92994
Optical drive type *	DVD±RW	Intel® Turbo Boost Technology	2.0
Number of storage drives installed	1	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Number of SSDs installed	1	Intel® Identity Protection Technology (Intel® IPT)	✓
SSD capacity	256 GB	Conflict-Free processor	✓
Card reader integrated	✓		
RAID support	✓		
Graphics		Power	
Discrete graphics card *	✓	Power supply *	450 W
On-board graphics card *	✗		
Discrete graphics card model *	NVIDIA® Quadro® M2000	Operating temperature (T-T)	10 - 35 °C
Discrete graphics card memory	4 GB	Storage temperature (T-T)	-10 - 60 °C
Number of discrete graphics cards	1	Operating relative humidity (H-H)	10 - 80%
On-board graphics card model *	Not available	Storage relative humidity (H-H)	10 - 90%
		Operating altitude	0 - 3048 m
Network		Certificates	
Ethernet LAN *	✓	Compliance certificates	RoHS
Ethernet LAN data rates	10,100,1000 Mbit/s		
Cabling technology	10/100/1000Base-T(X)		
Wi-Fi *	✗	Sustainability certificates	EPEAT Gold, ENERGY STAR
Ports & interfaces		Weight & dimensions	
USB 2.0 ports quantity *	2	Width *	175 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	6	Depth *	426 mm
DVI port	✗	Height *	376 mm
Ethernet LAN (RJ-45) ports	1	Weight *	14 kg
Microphone in	✓		
Headphone outputs	1		
Line-out	✓		
Line-in	✓		
Design		Packaging content	
Chassis type *	Tower	Mouse included	✓
Placement supported	Vertical	Keyboard included	✓
Product colour *	Black		
Performance		Display	
Motherboard chipset	Intel® C612	Display included *	✗
Other features		Other features	
		Optical drives quantity	1

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