Lenovo

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

Processor manufacturer *	Intel
Processor family *	Intel® Xeon® E5 v4
Processor model *	E5-1650V4
Processor cores	6
Processor threads	12
Processor boost frequency	4 GHz
Processor frequency *	3.6 GHz
Processor socket	LGA 2011-v3
Processor cache	15 MB
Processor cache type	Smart Cache
System bus rate	0 GT/s
Bus type	QPI
Processor lithography	14 nm
Processor operating modes	64-bit
Processor series	Intel Xeon E5-1600 v4
Processor codename	Broadwell
Thermal Design Power (TDP)	140 W
Tcase	69 °C
PCI Express slots version	3.0
Maximum number of PCI Express lanes	40
Number of processors installed	1
Stepping	R0
Maximum internal memory supported by processor	1.53 TB
Memory types supported by processor	DDR4-SDRAM
Memory clock speeds supported by processor	1600,1866,2133,2400 MHz
Memory bandwidth supported by processor (max)	76.8 GB/s
ECC supported by processor	✔

Memory

Internal memory *	16 GB
Maximum internal memory *	128 GB
Internal memory type	DDR4-SDRAM
Memory slots	4x DIMM
Memory clock speed	2400 MHz

Performance

Product type *	Workstation

Software

Operating system architecture	64-bit
Operating system installed *	Windows 10 Pro

Processor special features

Intel 64	✔
Enhanced Intel SpeedStep Technology	✔
Embedded options available	✘
Intel VT-x with Extended Page Tables (EPT)	✔
Intel TSX-NI	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel® Secure Key	✔
Intel® OS Guard	✔
Intel Trusted Execution Technology	✔
Execute Disable Bit	✔
Intel HD Graphics	✘
Intel Flex Memory Access	✘
Intel® Smart Cache	✘
Intel Enhanced Halt State	✔
Intel Demand Based Switching	✔
Processor package size	45 x 52.5 mm
Supported instruction sets	AVX 2.0
Processor code	SR2P7
Scalability	1S
Physical Address Extension (PAE)	✔
Physical Address Extension (PAE)	46 bit
CPU configuration (max)	1
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Identity Protection Technology version	1.00

Memory

Memory channels	Quad-channel

Storage

Total storage capacity *	256 GB
Storage media *	SSD
Optical drive type *	DVD±RW
Number of storage drives installed	1
Number of SSDs installed	1
SSD capacity	256 GB
Card reader integrated	✔
RAID support	✔

Graphics

Discrete graphics card *	✔
On-board graphics card *	✘
Discrete graphics card model *	NVIDIA® Quadro® M2000
Discrete graphics card memory	4 GB
Number of discrete graphics cards	1
On-board graphics card model *	Not available

Network

Ethernet LAN *	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Cabling technology	10/100/1000Base-T(X)
Wi-Fi *	✘

Ports & interfaces

USB 2.0 ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	6
DVI port	✘
Ethernet LAN (RJ-45) ports	1
Microphone in	✔
Headphone outputs	1
Line-out	✔
Line-in	✔

Design

Chassis type *	Tower
Placement supported	Vertical
Product colour *	Black

Performance

Motherboard chipset	Intel® C612

Processor special features

Intel Secure Key Technology version	1.00
Intel Virtualization Technology (VT-x)	✔
Intel TSX-NI version	1.00
Processor ARK ID	92994
Intel® Turbo Boost Technology	2.0
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Identity Protection Technology (Intel® IPT)	✔
Conflict-Free processor	✔

Power

Power supply *	450 W

Operational conditions

Operating temperature (T-T)	10 - 35 °C
Storage temperature (T-T)	-10 - 60 °C
Operating relative humidity (H-H)	10 - 80%
Storage relative humidity (H-H)	10 - 90%
Operating altitude	0 - 3048 m

Certificates

Compliance certificates	RoHS

Sustainability

Sustainability certificates	EPEAT Gold, ENERGY STAR

Weight & dimensions

Width *	175 mm
Depth *	426 mm
Height *	376 mm
Weight *	14 kg

Packaging content

Mouse included	✔
Keyboard included	✔

Display

Display included *	✘

Other features

Optical drives quantity	1

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