



Lenovo ThinkStation P710 Intel® Xeon® E5 v4 E5-2650V4 16 GB DDR4-SDRAM 1.26 TB HDD+SSD NVIDIA® Quadro® M4000 Windows 7 Professional Tower Workstation Black

Brand : Lenovo

Product family: ThinkStation

Product code: 30B70024US

Product name : P710

Intel Xeon Processor E5-2650 v4 (30M Cache, 2.20 GHz), 16GB RAM, 1000GB HDD + 256GB SSD, NVIDIA Quadro M4000, Windows 7 Professional 64 + Windows 10 Pro 64
Lenovo ThinkStation P710. Processor frequency: 2.2 GHz, Processor family: Intel® Xeon® E5 v4, Processor model: E5-2650V4. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM, Memory clock speed: 2400 MHz. Total storage capacity: 1.26 TB, Storage media: HDD+SSD, Optical drive type: DVD±RW. Discrete graphics card model: NVIDIA® Quadro® M4000. Operating system installed: Windows 7 Professional, Operating system architecture: 64-bit. Power supply: 850 W. Chassis type: Tower. Product type: Workstation



Processor		Design	
Processor manufacturer *	Intel	Chassis type *	Tower
Processor family *	Intel® Xeon® E5 v4	Placement supported	Vertical
Processor model *	E5-2650V4	Number of 3.5" bays	4
Processor cores	12	Number of 5.25" bays	2
Processor threads	24	Product colour *	Black
Processor boost frequency	2.9 GHz	Performance	
Processor frequency *	2.2 GHz	Motherboard chipset	Intel® C612
Processor socket	LGA 2011-v3	Audio chip	Realtek ALC662
Processor cache	30 MB	Product type *	Workstation
Processor cache type	Smart Cache	Software	
System bus rate	9.6 GT/s	Operating system architecture	64-bit
Bus type	QPI	Operating system installed *	Windows 7 Professional
Processor lithography	14 nm	Optional operating system supplied	Windows 10 Pro
Processor operating modes	64-bit	Processor special features	
Processor series	Intel Xeon E5-2600 v4	Intel 64	✓
Processor codename	Broadwell	Enhanced Intel SpeedStep Technology	✓
Thermal Design Power (TDP)	105 W	Embedded options available	✓
Tcase	80 °C	Intel VT-x with Extended Page Tables (EPT)	✓
PCI Express slots version	3.0	Intel TSX-NI	✓
Maximum number of PCI Express lanes	40	Idle States	✓
Number of processors installed	1	Thermal Monitoring Technologies	✓
Number of QPI links	2	Intel® AES New Instructions (Intel® AES-NI)	✓
Stepping	M0	Intel® Secure Key	✓
Maximum internal memory supported by processor	1.54 TB	Intel® OS Guard	✓
Memory types supported by processor	DDR4-SDRAM	Intel Trusted Execution Technology	✓
Memory clock speeds supported by processor	1600,1866,2133,2400 MHz	Execute Disable Bit	✓
Memory bandwidth supported by processor (max)	76.8 GB/s	Intel Flex Memory Access	✗
ECC supported by processor	✓	Intel® Smart Cache	✓
Memory		Intel Enhanced Halt State	✓
Internal memory *	16 GB	Intel Demand Based Switching	✓
Maximum internal memory *	384 GB	Processor package size	45 x 52.5 mm
Internal memory type	DDR4-SDRAM	Supported instruction sets	AVX 2.0
Memory clock speed	2400 MHz		

Memory		Processor special features	
ECC	✓	Processor code	SR2N3
Memory channels	Quad-channel	Scalability	2S
Storage		Physical Address Extension (PAE)	✓
Total storage capacity *	1.26 TB	Physical Address Extension (PAE)	46 bit
Storage media *	HDD+SSD	CPU configuration (max)	2
Optical drive type *	DVD±RW	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Number of storage drives installed	2	Intel Identity Protection Technology version	0.00
Number of HDDs installed	1	Intel Secure Key Technology version	1.00
HDD capacity	1 TB	Intel Virtualization Technology (VT-x)	✓
HDD speed	7200 RPM	Intel TSX-NI version	1.00
HDD size	3.5"	Processor ARK ID	91767
Number of SSDs installed	1	Intel® Turbo Boost Technology	2.0
SSD capacity	256 GB	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Card reader integrated	✓	Intel® Identity Protection Technology (Intel® IPT)	✗
RAID support	✓	Conflict-Free processor	✓
Graphics		Power	
Discrete graphics card *	✓	Power supply *	850 W
On-board graphics card *	✗	Operational conditions	
Discrete graphics card model *	NVIDIA® Quadro® M4000	Operating temperature (T-T)	10 - 35 °C
Discrete graphics card memory	8 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%
Network		Operating altitude	0 - 3048 m
Ethernet LAN *	✓	Certificates	
Ethernet LAN data rates	10,100,1000 Mbit/s	Compliance certificates	RoHS
Cabling technology	10/100/1000Base-T(X)	Sustainability	
Wi-Fi *	✗	Sustainability certificates	EPEAT Gold, ENERGY STAR
Ports & interfaces		Weight & dimensions	
USB 2.0 ports quantity *	4	Width *	175 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	8	Depth *	485 mm
DVI port	✗	Height *	446 mm
PS/2 ports quantity	2	Weight *	23.7 kg
Ethernet LAN (RJ-45) ports	2	Packaging content	
Microphone in	✓	Mouse included	✓
Headphone outputs	1	Keyboard included	✓
Line-out	✓	Manual	✓
Line-in	✓	Display	
Serial ports quantity	1	Display included *	✗
Expansion slots		Other features	
PCI Express x4 (Gen 2.x) slots	1	Optical drives quantity	1
PCI Express x8 (Gen 3.x) slots	1		
PCI Express x16 (Gen 3.x) slots	3		
PCI slots	1		

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