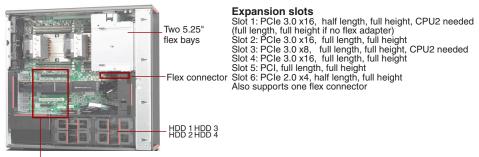
ThinkStation	າ P710 Plat	form	Spec	ifica	tio	ns		
Components	Specification							
Chipset	Intel C612 Platform Controller Hub (PCH)							
System mgmt	Intel Active Management Technology 9							
	Up to two 145W Intel Xeon E5-2600 v4 family processors. Each processor							
	supports up to 22 cores up to 2.2GHz, 16 cores up to 2.6GHz, 14 cores up to 2.6GHz, 12 cores up to 2.2GHz, 10 cores up to 2.4GHz, 8 cores up to 3.2GHz,							
Processor	6 cores up to 3.4GHz, 4 cores up to 3.5GHz.							
	Or up to two Intel Xeon E5-2620 v3 or E5-2609 v3 processors (not available in							
	EMEA)							
Coprocessor	None							
Memory DIMM	12 DIMM sockets (6 DIMMs per processor), 8-channel capable (4-channel per							
slots	processor). RDIMM, ECC, DDR4-2400							
Memory capacity	384GB, 2nd CPU is needed							
Graphics, GPU computing	Three PCIe 3.0 x16 slots, two via CPU1, one via CPU2. Up to three graphics and GPU computing adapters, 2nd CPU is needed							
	PSU Maximum quantity of PCIe x16 adapters per system (by power)							
	650W 1x150W+2x75W with onboard SATA controller and up to two 120W CPU each 850W 1x300W+2x75W (up to two 120W CPU each), or 2x150W+1x75W							
	Adapter		Memory					
	NVS 310	48	1GB	19.5W		2xDP	_	
	NVS 315	48	1GB	19.5W		2xDVI-I SL/2xDP	-	
	NVS 510 NVS 810	192 1024	2GB 4GB	35W 68W		4xmini DP 8xmini DP	-	
	Quadro K420	192	2GB	41W		DVI-I DL+DP	-	
	Quadro K620	384	2GB	45W		DVI-I DL+DP		
Cunnortina	Quadro K1200	512	4GB	45W		4xmini DP		
Supporting Graphics and	Quadro K2200	640	4GB	68W		DVI-I DL+2xDP		
GPU computing	Quadro K4200	1344	4GB	108W		DVI-I DL+2xDP		
	Quadro K5200	2304	8GB	150W	SLI	DVI-I DL+DVI-D DL+2xDP	-	
	Quadro M2000 Quadro M4000	768 1664	4GB 8GB	75W 120W		4xDP 4xDP	-	
	Quadro M5000	2048	8GB	150W	SU	DVI-I DL+4xDP	-	
	Quadro M6000	3072	24GB	250W		DVI-I DL+4xDP		
	Quadro P5000	2560	16GB	180W		DVI-D DL+4xDP		
	Quadro P6000	3840	24GB	250W		DVI-D DL+4xDP		
	Tesla K40	2880	12GB	235W	<u> </u>			
Disk drive	RAID 0, 1, 5, 10 with onboard SATA controller in chipset, SATA 6Gb/s.							
controller	RAID 0, 1, 5, 10 with optional LSI RAID flex adapter, 12Gb/s SAS and SATA. RAID 0, 1, 5, 6, 10 with optional LSI 9364-8i PCle adapter, 1GB memory,							
Cornioner	12Gb/s SAS and SATA							
Drive Bove	Two external 5.25" flex bays, four 3.5" internal bays. Each 3.5" bay can support						can support	
Drive Bays	dual drives on selected models (see right)							
	Two 5.25" flex bays for optical drives, Front Access Storage Enclosure drives,							
	Flex Bay Storage Enclosure drives, or flex module.							
Flex bay	 Up to two half-height optical drives or up to one 9.5mm optical drive, DVD-ROM, DVD±RW, or Blu-Ray burner 							
	 Up to one Front Access Storage Enclosure for one 3.5" or 2.5" SATA drive. 							
	Up to two Flex Bay Storage Enclosure for two 3.5" or 2.5" SATA drives.							
Supporting storage	3.5" SATA HDD, 7.2K 6Gbs 500GB/1TB/2TB/3TB/4TB/6TB/1TB hybrid/2TB hybrid							
	2.5" SAS HDD, 15K 12Gbs 300GB/600GB							
				200GB/400GB/800GB				
	2.5" SAS HDD, 10K 12Gbs			300GB				
				180GB/240GB/256GB/480GB/512GB/1TB, optional OPAL 400GB				
				400GB 256 GB/512GB/1TB				
	PCIe SSD adapter 400GB (up to 4 per system, 2nd CPU is needed)					ded)		
	One flex connectors (see right), supports one of the following:							
Flox connector	 Up to one LS 	SI RAIL	flex ada	apter fo	or SA	ATA/SAS RAID		
Flex connector	 Up to one Multi-I/O flex adapters for two PCIe SSD 							
	 Up to one M. 							
Network	Integrated two-port gigabit ethernet (Intel i218LM and i210AT), supports Wake-							
interfaces	on-LAN. Optional discrete ethernet adapters are available							
HD Audio	Realtek ALC66	32 code	ec					

Components	Specification					
TPM	TCG 1.2-compliant					
Power supply	One fixed 650 watts or 850 watts, autosensing, 92%, 80 PLUS Platinum qualified					
Front ports	Four USB 3.0 (one Diagnostic, one Always On), one combo audio/microphone jack (3.5mm)					
Rear ports	Four USB 2.0, four USB 3.0 (blue), one serial (9-pin), two ethernet (RJ-45), three analog audio ports (line-in, line-out, mic-in), two PS/2					
Add-on ports	to one adapter per system. Two rear USB 3.0 per PCIe adapt One rear Thunderbolt via PCIe ad One front eSATA (on flex module) PCIe slot), up to one eSATA port p	one on front flex module) via PCIe adpater, up er, up to three adapters per system. apter. , or one rear eSATA via cable (also needs one				
Media reader	9-in-1 USB 2.0 card reader. Option	nal 29-in-1 USB 3.0 card reader on flex modu	ıle			
Mechanical	 36-liter: 175mm/6.89" W x 485mm/19.1" D x 446mm/17.6" H (with feet) Tool-less parts: all except CPU fansink 52.25 lb (23.7kg) max configuration 					
Environmental specification	Temperature - operating	50 °F to 95 °F (10 °C to 35 °C)				
	Temperature - non operating (no package)	14 °F to 140 °F (-10 °C to 60 °C)				
	Temperature - non operating (with package)	-40 °F to 140 °F (-40 °C to 60 °C)				
	Altitude - operating	(Unpressurized): 0-10000ft (0-3048m)				
	Humidity - operating	10%~80%, non-condensing				
	Humidity - storage (with package)	10%~90%, non-condensing				
	RoHS-compliant, GREENGUARD on all models. EPEAT Gold rating, ENERGY STAR 6.1 qualified on selected models.					
Base warranty	3-year limited onsite service with 9x5/NBD					
			_			



Also supports one flex connector

Expansion slots 1-6 (top-down)

Drive Bays

HDD 1-4: Standard 3.5" HDD bay, up to four 3.5" or 2.5" disk drives.

On selected models, each 3.5" bay can supports 2.5" (9mm or less) drive plus 3.5"drive, or two 2.5" (15mm or less) drives.

Flex bay: Two 5.25" flex bays, for HH optical drives.

Or up to one optional flex module (Flex module supports one or more of the following

options: 9.5mm optical/29-in-1 USB 3.0 reader/front IEEE 1394/front eSATA). Or up to two HDD bays for two drives, 3.5" or 2.5" each, SATA only.

For the list of ISV certifications, please visit www.thinkworkstations.com/isv-certifications/ For a list of all supported options, please visit https://download.lenovo.com/pccbbs/options iso/ocm december 2016.xlsx sheet