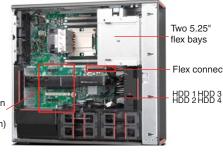
ThinkStation P510 Platform Specifications								
Components	Specification		-					
Chipset	Intel C612 Plat	form C	Controller	Hub (PCH	1)		
System mgmt	Intel Active Management Technology 9							
Processor	Up to one 145W Intel Xeon E5-2600 v4 or E5-1600 v4 family processors. 22 cores up to 2.2GHz, 16 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 3.4GHz, 6 cores up to 3.6GHz, 4 cores up to 3.7GHz Or up to one Intel Xeon E5-2600 v3 or E5-1600 v3 processors (not available in EMEA).							
Coprocessor	None							
	8 DIMM sockets, 4-channel capable. RDIMM, ECC, DDR4, 2400MHz							
Memory capacity	256GB							
Graphics, GPU computing	Two PCIe 3.0 x16 slots for graphics and GPU computing adapters. Up to two NVIDIA Quadro M5000 SLI							
	Adapter		Memory			Connector***	1	
	NVS 310	48	1GB	19.5W		2xDP	4	
	NVS 315	48	1GB	19.5W		2xDVI-I SL/2xDP	4	
	NVS 510	192	2GB	35W		4xmini DP	-	
	NVS 810	1024	4GB	68W		8xmini DP	-	
C a a	Quadro K420 Quadro K620	192 384	2GB 2GB	41W 45W		DVI-I DL+DP DVI-I DL+DP	-	
Supporting Graphics and	Quadro K620 Quadro K1200	512	4GB	45W		4xmini DP	-	
GPU computing	Quadro K2200	640	4GB	68W		DVI-I DL+2xDP	1	
GF 0 companing	Quadro K4200	1344	4GB	108W		DVI-I DL+2xDP	1	
	Quadro K5200	2304	8GB	150W	CII	DVI-I DL+2xDP	1	
	Quadro M2000	768	4GB	75W	SLI	4xDP	1	
	Quadro M4000	1664	8GB	120W		4xDP	-	
	Quadro M5000		8GB	150W	SLI	DVI-I DL+4xDP	1	
	Tesla K40	2880		235W	OLI	DVITBETTABL	1	
RAID controller	Supports one of the following: RAID 0, 1, 5, 10 with onboard SATA controller in chipset, SATA 6Gb/s. 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, optional 1GB flash with super capacitor, 12Gb/s SAS and SATA							
Drive Bays	Two external 5.25" flex bays for flex module, optical drives, or optional disk drives. Four 3.5" internal bays. Each 3.5" bay can support dual drives on selected models (see right).							
Supporting storage	3.5" HDD, 7.2K SATA6Gbs 500GB/1TB/2TB/3TB/4TB, 1TB/2TB hybrid							
	2.5" HDD, 15K S	SAS12G	bs 300G					
	2.5" SSD, SAS1:		200GB/400GB/800GB					
	2.5" SSD, SATA6Gbs		256G	180GB/240GB/256GB/480GB with OPAL, 256GB/512GB/1TB without OPAL				
	PCIe SSD, U.2 PCIe SSD, M.2			400GB 256 GB/512GB				
				400GB				
	One flex connector, supports one of the following:							
Flex connector	Up to one LSI RAID flex adapter for SATA/SAS RAID Up to one Multi-I/O flex adapters for one 2.5" PCIe SSD Up to one M.2 flex adapters for one M.2 PCIe SSD							
Network interfaces	Integrated one Gigabit Ethernet (Intel i218LM), supports Wake-on-LAN. Optional discrete Ethernet is available							
HD Audio	Realtek ALC662 codec							
TPM	TCG 1.2-compliant							
Power supply	One fixed 490 watts, autosensing, 90%, 80 PLUS Gold qualified. Or one fixed 650 watts, autosensing, 92%, 80 PLUS Platinum qualified							
. Swor suppry	Or one fixed 6	50 wat	ts, autose	ensing	, 92°	%, 80 PLUS Platinum quali	tied	

Components	Specification						
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, one serial (9-pin), one ethernet (RJ-45), three analog audio ports (line-in, line-out, mic-in), two PS/2						
Add-on ports	Supports the following optional ports: Two IEEE 1394 (one on rear and one on front flex module) via PCle adpater, up to one adapter per system. Two rear USB 3.0 per PCle adapter, up to three adapters per system. One rear Thunderbolt via PCle adapter. One front eSATA (on flex module), or one rear eSATA via cable (also needs one PCle slot), up to one eSATA port per system. One internal USB 3.0 port via cable, cannot be intermixed with 29-in-1 reader						
Media reader	9-in-1 USB 2.0 or 29-in-1 USB 3.0 card reader						
Mechanical	 36-liter: 175mm/6.89" W x 470mm/18.5" D x 440mm/17.32" H (with feet) Tool-less parts: all except CPU fansink 28.66 lb (13kg) 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					



Expansion slots

Slot 1:PCle 3.0 x4, Half length, full height Slot 2:PCle 3.0 x16, Full length, full height Slot 3:PCle 2.0 x1, Full length, full height Slot 4:PCle 3.0 x16, Full length, full height Slot 5:PCI, Full length, full height Flex connector Slot 6:PCle 2.0 x4, Half length, full height

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

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.