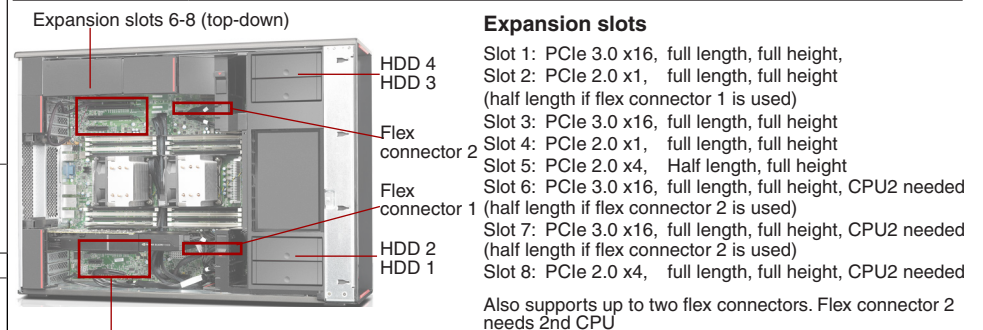


ThinkStation P910 Platform Specifications

Product Specifications Reference (PSREF)

Components	Specification					
Chipset	Intel C612 Platform Controller Hub (PCH)					
System mgmt	Intel Active Management Technology 9					
Processor	Up to two 160W 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 3GHz, 10 cores up to 2.4GHz, 8 cores up to 3.2GHz, 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	Optional. Up to one Intel Xeon Phi Coprocessor 3120A, PCIe 2.0 x16 adapter, 57 cores, 1.1GHz, 28.5MB L2 cache, 6GB memory, 300W					
Memory DIMM slots	16 DIMM sockets (8 DIMMs per processor), 8-channel capable (4-channel per processor). RDIMM or LRDIMM (cannot be intermixed), ECC, DDR4, 2400MHz					
Memory capacity	896GB (LRDIMM, 14x64GB)/512GB (RDIMM, 16x32GB), 2nd CPU is needed					
Graphics and GPU computing	Four PCIe 3.0 x16 slots for graphics and GPU computing cards, two slots per processor					
	Installed CPU	Maximum quantity of PCIe x16 adapters per system (by power)				
	1	1x300W+1x75W or 2x150W				
2	2x300W+2x75W, or 1x300W+2x150W+1x75W, or 4x150W					
Supporting Graphics and GPU computing	Adapter	Cores	Memory	Power	SLI	Connector***
	NVS 310	48	1GB	19.5W		2xDP
	NVS 315	48	1GB	19.5W		2xDVI-I SL/2xDP
	NVS 510	192	2GB	35W		4xmini DP
	NVS 810	1024	4GB	68W		8xmini DP
	Quadro K420	192	2GB	41W		DVI-I DL+DP
	Quadro K620	384	2GB	45W		DVI-I DL+DP
	Quadro K1200	512	4GB	45W		4xmini DP
	Quadro K2200	640	4GB	68W		DVI-I DL+2xDP
	Quadro K4200	1344	4GB	108W		DVI-I DL+2xDP
	Quadro K5200	2304	8GB	150W	SLI	DVI-I DL+DVI-D DL+2xDP
	Quadro M2000	768	4GB	75W		4xDP
	Quadro M4000	1664	8GB	120W		4xDP
	Quadro M5000	2048	8GB	150W	SLI	DVI-I DL+4xDP
	Quadro M6000	3072	24GB	250W	SLI	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			
Disk drive controller	RAID 0, 1, 5, 10 with onboard SATA controller in chipset, 6Gb/s SATA. 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 PCIe adapter, 1GB memory, 12Gb/s SAS and SATA					
Drive Bays	Three external 5.25" bays, four internal 3.5" dual drives bays (see right)					
Flex bay	Three 5.25" flex bays for optical drives, Front Access Storage Enclosure drives, Flex Bay Storage Enclosure drives, or flex module. • Up to three 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.					
	3.5" SATA HDD, 7.2K 6Gbs	500GB/1TB/2TB/3TB/4TB/6TB/1TB hybrid/2TB hybrid				
Supporting storage	2.5" SAS HDD, 15K 12Gbs	300GB/600GB				
	2.5" SAS HDD, 10K 12Gbs	300GB				
	2.5" SAS SSD, 12Gbs	200GB/400GB/800GB				
	2.5" SATA SSD, 6Gbs	180GB/240GB/256GB/480GB/512GB/1TB, optional OPAL				
	PCIe SSD, 2.5"	400GB				
	PCIe SSD, M.2	256 GB/512GB/1TB				
	PCIe SSD adapter	400GB (up to 4 per system, 2nd CPU is needed)				
Flex connector	Two flex connectors (see right), one per processor. Supports one of the following: • Up to one LSI RAID flex adapter for SATA/SAS RAID. • Up to two Multi-I/O adapters for four PCIe SSD (two PCIe SSD per adapter). • Up to two M.2 flex adapters for four M.2 PCIe SSD (two M.2 PCIe SSD per adapter)					
Network interfaces	Integrated two-port gigabit ethernet (Intel i218LM and i210AT), supports Wake-on-LAN. Optional discrete ethernet adapters are available					
HD Audio	Realtek ALC662 codec					

Components	Specification												
TPM	TCG 1.2-compliant												
Power supply	One fixed 1300 watts, autosensing, 92% PSU, 80 PLUS Platinum qualified <i>Note: PSU will automatically operate in 1120W (restricted mode) if the system line input is 100-110V. For other supported system line input voltages, the PSU will operate at the full 1300W.</i>												
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	Supports the following optional ports: Two IEEE 1394 (one on rear and one on front flex module) via PCIe adapter, up to one adapter per system. Two rear USB 3.0 per USB add-on PCIe adapter, up to 3 adapters per system. One rear Thunderbolt via PCIe adapter. One front eSATA (on flex module), or one rear eSATA via cable (also needs one PCIe 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 card reader. Optional 29-in-1 USB 3.0 card reader on flex module												
Mechanical	55-liter: 200mm/7.87" W x 620mm/24.4" D x 446mm/17.56" H (with feet) - Tool-less parts: all except CPU fansink 71.3 lb (32.3kg) max configuration												
Environmental specification	<table border="1"> <tbody> <tr> <td>Temperature - operating</td><td>50 °F to 95 °F (10 °C to 35 °C)</td></tr> <tr> <td>Temperature - non operating (no package)</td><td>14 °F to 140 °F (-10 °C to 60 °C)</td></tr> <tr> <td>Temperature - non operating (with package)</td><td>-40 °F to 140 °F (-40 °C to 60 °C)</td></tr> <tr> <td>Altitude - operating</td><td>(Unpressurized): 0-10000ft (0-3048m)</td></tr> <tr> <td>Humidity - operating</td><td>10%-80%, non-condensing</td></tr> <tr> <td>Humidity - storage (with package)</td><td>10%-90%, non-condensing</td></tr> </tbody> </table> RoHS-compliant, GREENGUARD on all models. EPEAT Gold rating, ENERGY STAR 6.1 qualified on selected models.	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
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Humidity - operating	10%-80%, non-condensing												
Humidity - storage (with package)	10%-90%, non-condensing												
Base warranty	3-year limited onsite service with 9x5/NBD												



Expansion slots

Slot 1: PCIe 3.0 x16, full length, full height,
Slot 2: PCIe 2.0 x1, full length, full height (half length if flex connector 1 is used)
Slot 3: PCIe 3.0 x16, full length, full height
Slot 4: PCIe 2.0 x1, full length, full height
Slot 5: PCIe 2.0 x4, Half length, full height
Slot 6: PCIe 3.0 x16, full length, full height, CPU2 needed (half length if flex connector 2 is used)
Slot 7: PCIe 3.0 x16, full length, full height, CPU2 needed (half length if flex connector 2 is used)
Slot 8: PCIe 2.0 x4, full length, full height, CPU2 needed

Also supports up to two flex connectors. Flex connector 2 needs 2nd CPU

Drive bays

HDD 1-4: Standard 3.5" HDD bay, up to four 3.5" or 2.5" disk drives. Each 3.5" bay supports 2.5" (9mm or less) drive plus 3.5" drive, or two 2.5" (15mm or less) drives. More than 4 drives requires LSI RAID flex adapter or 9364-8i adapter,

Flex bay: Three 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

Model	30B9000R--
Product	ThinkStation P910
Region	WE
Machine Type	30B9
TopSeller	TopSeller
Processor	2xXeon E5-2630 v4 10C/2.2GHz/25MB/85W/DDR4-2133
Graphics	Open
Memory (Capacity/Type)	4x8GB RDIMM DDR4-2400 ECC
RAID Controller	Onboard
Max Drives in 3.5" Bays	4
Storage (Capacity/Type/Interface)	1x512GB SSD 2.5" SATA6Gbs
Optical	HH DVD±RW
Media Reader	9-in-1
Power Supply	1300W 92%
Add-on Ports	None
Discrete Ethernet	None
Keyboard / Mouse	USB / None
Operating System	Windows 10 DG Windows 7 Pro 64
Warranty	3-year
Global	No
Ann Date (mm/yy)	04/16