

ThinkStation P320 Tower 30BH000B--

Region	Operating System
EMEA	Windows 10 Pro 64
Machine Type	Warranty
30BH	3-year, Onsite
TopSeller	Global
TopSeller	No
Processor	End of Support
Core i7-7700K 4C/4.2GHz/8MB/91W/DDR4-2400	May 18 ,2023
Graphics	Ann Date (mm/yy)
Intel HD 630	04/17
Memory	
2x8GB UDIMM DDR4-2400 Non-ECC	
Disks	Note:
Open	Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "***" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries
M.2 Drives	
1x512GB SSD M.2 PCIe Opal	
Optical	
HH DVD±RW	
Media Reader	
9-in-1	
Power Supply	
400W Platinum Fixed	
Optional Ports	
None	
Keyboard / Mouse	
USB / USB Optical	



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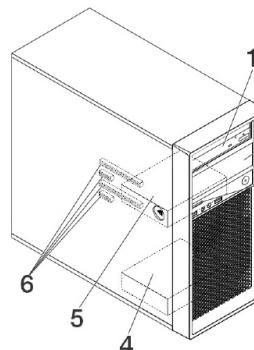
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Components	Specification	Components	Specification																																																	
Chipset	Intel C236 Chipset	Power supply	One 250 watts with variable speed fan, autosensing, Climate Savers Computing Bronze, 80 PLUS Bronze qualified. Or one 400 watts with variable speed fan, autosensing, Climate Savers Computing Platinum, 80 PLUS Platinum qualified.																																																	
Intel AMT	Intel Active Management Technology 11 on Xeon models, Intel Standard Manageability on other models	Onboard Ethernet	One onboard gigabit ethernet, Intel I219LM, supports Wake-on-LAN																																																	
	One Intel "Kaby Lake" or "Skylake" processor as listed: "Kaby Lake"	HD Audio	Realtek ALC662 codec																																																	
Processor	Xeon E3-1280 v6	TPM	Standard, TCG 2.0-compliant																																																	
	Xeon E3-1275 v6	Front ports	Two USB 3.0, microphone (3.5mm), headphone (3.5mm)																																																	
	Xeon E3-1270 v6	Rear ports	1 VGA and 2 DisplayPort (for Intel HD Graphics models only), two 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)																																																	
	Xeon E3-1245 v6	Mechanical	<ul style="list-style-type: none"> • Raven black color; metal case • 6.89" W x 16.77" D x 14.8" H • 175mm W x 426mm D x 376mm H • 28.66 lb (13kg) max configuration • 25-liter 																																																	
	Xeon E3-1240 v6	Environmental certifications	GREENGUARD certified/RoHS-compliant/EPEAT Gold rating/ENERGY STAR 6.1 qualified																																																	
	Xeon E3-1230 v6	Limited warranty	1 or 3-year limited onsite service with 9x5/NBD. Some parts are Customer Replaceable Units.																																																	
	Xeon E3-1225 v6	ISV certifications	Please visit www.thinkworkstations.com/isv-certifications/																																																	
	Xeon E3-1220 v6																																																			
	Core i7-7700K																																																			
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	Xeon E3-1225 v5																																																			
	Xeon E3-1220 v5																																																			
	Core i7-6700																																																			
	Core i5-6500																																																			
	Core i5-6400																																																			
	Core i3-6100																																																			
Memory DIMM slots	4 DIMM slots, 2-channel (integrated memory controller in processor)																																																			
Memory type/capacity	Up to 64GB ECC/non-ECC (4 x 16GB), DDR4-2400, UDIMM. "Skylake" processor supports up to DDR4-2133. Core i7 and i5 processors cannot support ECC.																																																			
Intel HD Graphics in processor	Integrated Intel HD P530 in Xeon E3-12x5 v5 processors, or Intel HD P630 in Xeon E3-12x5 v6 processors, or Intel HD 530 in Core i7, i5, or i3 6000 processors, or Intel HD 630 in Core i7, i5, or i3 7000 processors. Works along with discrete graphics to support multi-display, enables three display connectors (2 DP, 1 VGA) on rear.																																																			
Discrete graphics	Two PCI Express 3.0 x16 slots for graphics adapters. Up to two Quadro P1000 on 250 watts models. Or up to two Quadro P2000, or up to one Quadro P4000 on 400 watts models. Supports the following NVIDIA graphics adapters:																																																			
	<table border="1"> <thead> <tr> <th>Adapter</th> <th>Cores</th> <th>Memory</th> <th>Power</th> <th>Connector</th> </tr> </thead> <tbody> <tr> <td>NVS 310</td> <td>48</td> <td>1GB</td> <td>19.5W</td> <td>2xDP</td> </tr> <tr> <td>NVS 315</td> <td>48</td> <td>1GB</td> <td>19.5W</td> <td>2xDVI-I SL/2xDP</td> </tr> <tr> <td>NVS 510</td> <td>192</td> <td>2GB</td> <td>33.4W</td> <td>4xmini DP</td> </tr> <tr> <td>NVS 810</td> <td>1024</td> <td>4GB</td> <td>68W</td> <td>8xmini DP</td> </tr> <tr> <td>Quadro P400</td> <td>256</td> <td>2GB</td> <td>30W</td> <td>3xminiDP</td> </tr> <tr> <td>Quadro P600</td> <td>384</td> <td>2GB</td> <td>40W</td> <td>4xminiDP</td> </tr> <tr> <td>Quadro P1000</td> <td>640</td> <td>4GB</td> <td>47W</td> <td>4xminiDP</td> </tr> <tr> <td>Quadro P2000</td> <td>1024</td> <td>5GB</td> <td>75W</td> <td>4xDP</td> </tr> <tr> <td>Quadro P4000</td> <td>1792</td> <td>8GB</td> <td>105W</td> <td>4xDP</td> </tr> </tbody> </table>	Adapter	Cores	Memory	Power	Connector	NVS 310	48	1GB	19.5W	2xDP	NVS 315	48	1GB	19.5W	2xDVI-I SL/2xDP	NVS 510	192	2GB	33.4W	4xmini DP	NVS 810	1024	4GB	68W	8xmini DP	Quadro P400	256	2GB	30W	3xminiDP	Quadro P600	384	2GB	40W	4xminiDP	Quadro P1000	640	4GB	47W	4xminiDP	Quadro P2000	1024	5GB	75W	4xDP	Quadro P4000	1792	8GB	105W	4xDP	
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Five onboard SATA 6.0Gb/s connectors for optical and disk drives plus one SATA connector for optional eSATA. RAID 0, 1, 5, 10 support																																																				
Two external 5.25" bays, two internal 3.5" bays (see right). Up to one 9mm optical plus 4 x 3.5" disk drive bays plus two M.2 NVMe SSD																																																				
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16TB (4 x 4TB 3.5" HDDs) plus 2TB (2 x 1TB) M.2 NVMe SSD																																																				
9-in-1 card reader. Optional 29-in-1 card reader on selected models																																																				



5.25", support one of the following: HH optical/flex module/9mm optical+3.5" HDD bay/ 3.5" HDD bay/Front Access Storage Enclosure (FASE) Note:
1. Flex module supports one or more of the following: 9mm optical/29-in-1 reader/front IEEE 1394/front eSATA. 2. Up to one flex module/FASE per system.
3. Bay 3 Optional 9-in-1 single slot reader
4. Bay 4 Standard 3.5" HDD bay
5. Bay 5 Standard 3.5" HDD bay
Four PCIe slots (top-down): Slot 1: Half length, full height, PCIe 3.0 x16 (near CPU) Slot 2: Half length, full height, PCIe 3.0 x1 Slot 3: Half length, full height, PCIe 3.0 x16 (x4 elec) Slot 4: Half length, full height, PCIe 3.0 x1 Note: 1. Both discrete graphics adapter and M.2 NVMe SSD should be installed on slot 1 or slot 3, the maximum quantity of discrete graphics adapter and M.2 NVMe SSD is 2. 2. When two discrete graphics adapters are used, no other PCIe card can be used.

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