# ThinkStation P720 30BA0026**

**Region**
MEA

**Machine Type**
30BA

**TopSeller**
TopSeller

**Processor**
1x Xeon Silver 4110
8C/2.1GHz/11MB/85W/DDR4-2400

**Graphics**
Open

**Memory**
1x 16GB RDIMM DDR4-2666 ECC

**Storage Controller**
Integrated Intel SATA

**M.2 RAID Upgrade**
None

**Disks**
1x 512GB SSD 2.5" SATA6Gbps Opal

**M.2 Drives**
None

**Optical**
1x HH DVD±RW

**Media Reader**
9-in-1

**Additional Networking**
None

**Power Supply**
Fixed 900W Platinum

**Optional Ports**
1x Serial

**Front Diagnostic LED**
None

**Keyboard / Mouse**
USB / USB Opt

**Operating System**
Windows 10 DG Windows 7 Pro 64

**Warranty**
3-year, Onsite

**Global**
No

**End of Support**
Mar 9, 2024

**Ann Date (mm/yy)**
02/18

Note:
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

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# ThinkStation P720 Platform Specifications



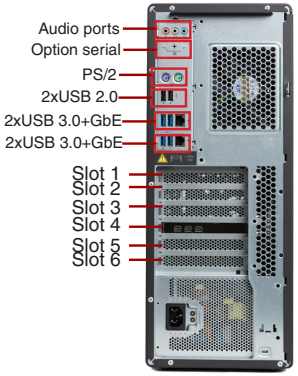
| Components | Specification |
|---|---|
| Form factor | 36L Tower |
| Dimensions | 175mm/6.89" W x 485mm/19.1" D x 446mm/17.6" H (with feet) |
| Weight | Maximum configuration: 52.25 lb (23.7kg) |
| Processor | Up to two 150W Intel Xeon Scalable family processors, Bronze, Silver, Gold, or Platinum. Up to 26 cores at 2.0GHz, up to 3.6GHz with 4 cores. Two processors are connected with two UPI (Ultra Path Interconnect) links up to 10.4GT/s |
| Chipset | Intel C621 Chipset |
| Memory | Up to 12 DIMM sockets. Each processor supports up to 6 DIMM sockets with 6 channels. RDIMMs. DDR4-2666 |
| Memory capacity | Up to 384GB with 12 x 32GB RDIMMs and two processors |
| Memory protection | ECC |
| Graphics | Up to three PCIe 3.0 x16 slots depending on the processors installed (see Expansion slots section). Up to one NVIDIA Quadro P6000, or up to two Quadro P5000, Quadro P4000, or NVS 810, other graphics adapters under 75W up to 3, 900W PSU is needed. Supports the following graphics adapters: |
| Storage controllers | Integrated Intel SATA AHCI/RAID controller in chipset, 6Gbps SATA, RAID 0/1/10/5. Integrated Intel PCIe host in processor for M.2 PCIe NVMe drives, optional RAID 0/1/10 with Intel NVMe RAID upgrade basic, optional RAID 0/1/10/5 with Intel NVMe RAID upgrade premium.<br>Optional Broadcom 9440-8i, PCIe adapter, 12Gbps, SATA/SAS, RAID 0/1/10/5.<br>Or optional Broadcom 9460-16i with 4GB DDR4 memory and SuperCap, PCIe adapter, 12Gbps, SATA/SAS, RAID 0/1/10/5/6 |
| 5.25" flex bay | Two 5.25" flex bays, supports the following options:<br>• Up to two half-height optical drives.<br>• Up to two 5.25" slim ODD cages, each supports one 9.0mm optical drive.<br>• Up to one 5.25" slim ODD and HDD cage for one 9.0mm optical drive plus one 3.5" or 2.5" SATA disk.<br>• Up to one Front Access Storage Enclosure for one 3.5" or 2.5" SATA disk<br>• Up to one flex module for one or more of the following options: 9.0mm optical/ 15-in-1 USB 3.0 reader/front eSATA/front Thunderbolt/4-digit diagnostic display<br>*Note: Only one can be supported from 15-in-1 reader, Thunderbolt, and 4-digit display* |
| Disk drive bays | Up to four internal 3.5" drive bays. Two standard, two optional. Each bay supports one 3.5" or 2.5" SATA/SAS disk (SAS disk support needs 9440-8i or 9460-16i). Selected models supports four internal 3.5" dual drive bays, each bay supports one 3.5" HDD plus one 2.5" SATA SSD, or two 2.5" SATA/SAS disks.<br>Supports up to four 2.5" U.2 SSD on selected models.<br>Up to two 2.5" or 3.5" SATA disk drives on 5.25" flex bays via one 5.25" Front Access Storage Enclosure plus one 5.25" slim ODD and HDD cage |
| M.2 slots | Up to 9 x M.2 PCIe NVMe SSD:<br>• Two onboard M.2 slots.<br>• Up to one full height, full length PCIe 3.0 x16 adapter, supports four M.2 slots.<br>• Up to three PCIe 3.0 x4 adapters, each adapter supports one M.2 slot<br>*Note: Supports RAID 0/1 on onboard M.2 disks and RAID 0/1/10/5 on quad M.2 PCIe x16 adapter, NVMe RAID upgrade is needed* |
| Internal storage | HDD 7.2K 3.5" SATA6Gbps: 1TB/2TB/4TB/6TB<br>SSD 2.5" SATA6Gbps: 256GB Opal/512GB/512GB Opal/1TB Opal/2TB Opal<br>M.2 PCIe NVMe, PCIe 3.0 x4: 256GB Opal/512GB Opal/1TB Opal |
| Media reader | 9-in-1 USB 2.0 card reader on most models. Optional UHS-II 15-in-1 USB 3.0 reader on flex module |
| Network interfaces | Integrated two-port gigabit ethernet (Intel i219LM and i210AT), supports Wake-on-LAN on both two ports. Optional PCIe ethernet or wireless adapters are available |

| Adapter | Cores | Memory | Power | Connector | SLI |
|---|---|---|---|---|---|
| NVS 310 | 48 | 1GB | 19.5W | 2xDP | |
| NVS 315 | 48 | 1GB | 19.3W | 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 | 45W | 4xminiDP | |
| Quadro P1000 | 640 | 4GB | 50W | 4xminiDP | |
| Quadro P2000 | 1024 | 5GB | 75W | 4xDP | |
| Quadro P4000 | 1792 | 8GB | 120W | 4xDP | |
| Quadro P5000 | 2560 | 16GB | 180W | DVI-D DL+4xDP | SLI |
| Quadro P6000 | 3840 | 24GB | 250W | DVI-D DL+4xDP | |

| Components | Specification |
|---|---|
| Security features | Power-on and admin password. Trusted Platform Module, TCG 2.0 compliant, switch to 1.2 via UEFI setting. Chassis intrusion switch. Optional access panel lock, Kensington lock, and pad lock |
| Systems management | Intel Active Management Technology 11. Front panel warning LED. ThinkStation Diagnostics for Windows. Photo-audio transfer with Lenovo PC Diagnostics for Android and iOS. Optional front 4-digit diagnostic display on flex module |
| Base warranty | 1 or 3-year limited onsite service with 9x5/NBD |
| HD Audio | Realtek ALC662 codec |
| Front ports | Four USB 3.0 (includes one 11W charging), one combo audio/microphone jack (3.5mm) |
| Rear ports | Two USB 2.0, four USB 3.0, two ethernet (RJ-45), three analog audio ports (line-in, line-out, mic-in), two PS/2 |
| Optional ports | Supports the following optional ports:<br>• Optional COM port<br>• Two USB Type-C ports via PCIe adapter, USB 3.1 gen 2. One 15W, one 5W<br>• Two Thunderbolt ports (USB Type-C) on flex module, one of two ports supports video-out.<br>• One eSATA on flex module<br>• One internal USB 3.0 port |
| Power supply | One fixed 690W or 900W, autosensing, 92%, 80 PLUS Platinum qualified |
| Environmental specification | RoHS-compliant. GREENGUARD. EPEAT Gold rating and ENERGY STAR 6.1 qualified on following models: |
| ISV certifications | Please visit www.thinkworkstations.com/isv-certifications/ |

| | |
|---|---|
| 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 |

| Model | 30BA0007US | 30BA0008US |
|---|---|---|
| Processor | 2 x Intel Xeon Silver 4110 | 2 x Intel Xeon Gold 5122 |
| Memory | 2 x 8GB RDIMM DDR4-2666 ECC | 2 x 8GB RDIMM DDR4-2666 ECC |
| Disks | 2x1TB HDD 7.2K 3.5" SATA6Gbps | 2 x 256GB SSD 2.5" SATA6Gbps Opal |
| Graphics | NVIDIA Quadro P4000 8GB | NVIDIA Quadro P4000 8GB |
| Optical | HH DVD±RW | HH DVD±RW |
| PSU | 690W | 900W |
| OS | Win10 Pro 64 | Win10 Pro 64 |




**Expansion slots**

| | |
|---|---|
| Slot 1 (CPU2) | PCIe 3.0 x16, full height, full length, 75W |
| Slot 2 (CPU1) | PCIe 3.0 x16, full height, full length, 75W, double-width |
| Slot 3 (CPU1) | PCIe 3.0 x8, full height, full length, 25W, open ended |
| Slot 4 (CPU1) | PCIe 3.0 x16, full height, full length, 75W, double-width |
| Slot 5 | PCI, full height, full length, 25W |
| Slot 6 (PCH) | PCIe 3.0 x4, full height, half length, 25W, open ended |

900W PSU supports two 6+2-pin aux power connectors.
690W PSU supports one 6+2-pin aux power connector.

*Note: All expansion cards are optional*

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