

ThinkStation P620 30E00046CA

Product

ThinkStation P620

Region

NA

Country/Region

Canada

Machine Type

30E0

TopSeller

TopSeller

Processor

AMD Ryzen Threadripper PRO 3975WX (32C / 64T, 3.5 / 4.2GHz, 16MB L2 / 128MB L3)

Discrete Graphics

NVIDIA Quadro RTX 4000 8GB

Chipset

AMD WRX80

Memory

2x 16GB RDIMM DDR4-3200 ECC

HDD Controller

Integrated SATA controller

M.2 SSD RAID Controller

Integrated NVMe controller

Internal Disk Drive

None

M.2 SSD Drive

1x 512GB SSD M.2 PCIe 4.0 NVMe Opal (available later)

Optical

9.0mm DVD±RW

Media Reader

15-in-1 Card Reader

Onboard Ethernet

1x 10GbE RJ-45

Additional Ethernet

None

WLAN + Bluetooth

None

Optional Rear Ports

None

Chassis Intrusion Switch

Chassis Intrusion Switch

Cover Lock

Lock Kit with Common Key

Keyboard

USB Traditional Keyboard, Black, French

Mouse

USB Calliope Mouse

Power Supply

1000W Platinum Fixed

Diagnostic

Front 4-Digit Diagnostic LED

System Management

AMD PRO

Operating System

Windows 10 Pro 64, French

Bundled Software

None

Base Warranty

3-year, Onsite

Bundled Service

3Y Premier Support Upgrade from 3Y Onsite (5WS0U26649)

EAN/UPC/JAN

195348230346

End of Support

2028-10-04

Announce Date

2020-09-04

Notes:

California Electronic Waste Recycling Fee

In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to: <https://www.calrecycle.ca.gov/Electronics/Consumer>



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ThinkStation P620 Platform Specifications

Product Specifications Reference (PSREF)

| | | | | | | | | | | | | | | | | | | | | |
|--|---|--|--------------|---------------------|--------------|---------|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Form factor | 33L Tower | | | | | | | | | | | | | | | | | | | |
| Dimensions | 165mm/6.5" W x 460mm/18.1" D x 446mm/17.6" H (with feet) | | | | | | | | | | | | | | | | | | | |
| Weight | Maximum configuration: 52.91 lb (24kg) | | | | | | | | | | | | | | | | | | | |
| Processor Support | Processor | # of Cores | # of Threads | Base Frequency | Cache | TDP | Memory Types | | | | | | | | | | | | | |
| | AMD Ryzen Threadripper PRO 3995WX | 64 | 128 | 2.7GHz | 256MB L3 | 280W | DDR4-3200 | | | | | | | | | | | | | |
| | AMD Ryzen Threadripper PRO 3975WX | 32 | 64 | 3.5GHz | 128MB L3 | 280W | DDR4-3200 | | | | | | | | | | | | | |
| | AMD Ryzen Threadripper PRO 3955WX | 16 | 32 | 3.9GHz | 64MB L3 | 280W | DDR4-3200 | | | | | | | | | | | | | |
| | AMD Ryzen Threadripper PRO 3945WX | 12 | 24 | 4.0GHz | 64MB L3 | 280W | DDR4-3200 | | | | | | | | | | | | | |
| Processor Sockets | 1x Socket sWRX4 | | | | | | | | | | | | | | | | | | | |
| Chipset | AMD WRX80 | | | | | | | | | | | | | | | | | | | |
| Memory Sockets | 8 DIMM sockets with 8 channels | | | | | | | | | | | | | | | | | | | |
| Memory Types | DDR4-3200 RDIMM ECC, 8GB / 16GB / 32GB / 64GB available | | | | | | | | | | | | | | | | | | | |
| Memory Capacity | 512GB with 8 x 64GB DDR4-3200 RDIMMs | | | | | | | | | | | | | | | | | | | |
| Memory Protection | ECC | | | | | | | | | | | | | | | | | | | |
| Expansion slots | Slot 1 (CPU) | PCIe 4.0 x16, full height, full length | | | | | | | | | | | | | | | | | | |
| | Slot 2 (CPU) | PCIe 4.0 x8, full height, full length | | | | | | | | | | | | | | | | | | |
| | Slot 3 (CPU) | PCIe 4.0 x16, full height, full length | | | | | | | | | | | | | | | | | | |
| | Slot 4 (CPU) | PCIe 4.0 x16, full height, full length | | | | | | | | | | | | | | | | | | |
| | Slot 5 (CPU) | PCIe 4.0 x16, full height, full length | | | | | | | | | | | | | | | | | | |
| | Slot 6 (IOH) | PCIe 4.0 x8, full height, full length | | | | | | | | | | | | | | | | | | |
| Discrete Graphics Offering | Graphics | Memory | Pow-er | Connector | SLI / NVlink | Max Qty | | | | | | | | | | | | | | |
| | Quadro P620 | 2GB GDDR5 | 40W | 4xminiDP | - | 4 | | | | | | | | | | | | | | |
| | Quadro P1000 | 4GB GDDR5 | 50W | 4xminiDP | - | 4 | | | | | | | | | | | | | | |
| | Quadro P2200 | 5GB GDDR5 | 75W | 4xDP | - | 4 | | | | | | | | | | | | | | |
| | Quadro RTX 4000 | 8GB GDDR6 | 160W | 3xDP, 1xVirtualLink | - | 4 | | | | | | | | | | | | | | |
| | Quadro RTX 5000 | 16GB GDDR6 | 265W | 4xDP, 1xVirtualLink | NVLink | 2 | | | | | | | | | | | | | | |
| | Quadro RTX 6000 | 24GB GDDR6 | 295W | 4xDP, 1xVirtualLink | NVLink | 2 | | | | | | | | | | | | | | |
| | Quadro RTX 8000 | 48GB GDDR6 | 295W | 4xDP, 1xVirtualLink | NVLink | 2 | | | | | | | | | | | | | | |
| Storage Controller | Storage Controller | Type | Interface | RAID | Cache | | | | | | | | | | | | | | | |
| | Integrated SATA controller | Std | SATA 6Gb/s | 0/1/10/5 | - | | | | | | | | | | | | | | | |
| | Integrated NVMe controller | Std | PCIe NVMe | 0/1/10/5 | - | | | | | | | | | | | | | | | |
| Storage Type | Disk Type | Interface | RPM | Offering | | | | | | | | | | | | | | | | |
| | 3.5" SATA HDD | SATA 6Gb/s | 7.2K | 1TB/2TB/4TB | | | | | | | | | | | | | | | | |
| | M.2 PCIe SSD | PCIe 3.0 NVMe | - | 256GB/512GB/1TB/2TB | | | | | | | | | | | | | | | | |
| Storage Support | M.2 PCIe SSD | PCIe 4.0 NVMe* | - | 256GB/512GB/1TB | | | | | | | | | | | | | | | | |
| | * M.2 PCIe 4.0 SSD is available later this year | | | | | | | | | | | | | | | | | | | |
| | Up to 5x 3.5" SATA HDD: • 4x 3.5" HDD bay • 1x Flex Bay (Front Access Storage Enclosure or 5.25" Slim ODD and HDD cage) | | | | | | | | | | | | | | | | | | | |
| Power supply | Up to 11x M.2 SSD: • 2 via onboard M.2 • 8 via two quad M.2 to PCIe adapter (only supports PCIe 3.0 SSD) • 1 via Single M.2 to PCIe adapter (only supports PCIe 3.0 SSD) | | | | | | | | | | | | | | | | | | | |
| | One fixed 1000W, autosensing, 92%, 80 PLUS Platinum qualified | | | | | | | | | | | | | | | | | | | |
| | Optional one slim optical, DVD or DVD±RW | | | | | | | | | | | | | | | | | | | |
| Media reader | Optional UHS-II 15-in-1 USB 3.2 Gen 1 reader on flex module | | | | | | | | | | | | | | | | | | | |
| | Integrated one 10GbE ethernet (Marvell AQtion AQN-107). Optional PCIe ethernet or wireless adapters are available | | | | | | | | | | | | | | | | | | | |
| WLAN + Bluetooth | | | | | | | | | | | | | | | | | | | | |
| Optional Intel Wireless-AC 9260, 2x2, 2.4GHz/5GHz, 802.11ac, Bluetooth 5.1 | | | | | | | | | | | | | | | | | | | | |

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