

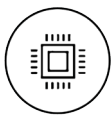
# Power of a workstation

Price of a desktop

Mission-critical tasks require superior reliability and powerful performance. ThinkStation® P320 leads on both counts and does it with exceptional all-around value. Consider the latest high-performance Intel® Core® i and Xeon® processors, NVIDIA® Quadro® professional graphics, with VR Ready capability, cutting-edge storage technologies, including M.2, and innovative Flex module support for easy customization.



## WHY YOU SHOULD BUY THE Lenovo™ THINKSTATION® P320 WORKSTATION



**Fast and Reliable**  
The fastest Intel® processors offer blazing speeds of up to 4.2GHz, for unparalleled performance.



**Exceptional value**  
Truly affordable for any organization requiring a comfortable combination of performance and value.



**Make virtual a reality**  
The latest NVIDIA® Quadro® professional graphics helps bring virtual reality to entry-level workstation.



**Environment friendly**  
Lenovo™ is the only workstation vendor that has been certified with GreenGuard® certification.

## THE Lenovo™ THINKSTATION® P320 WORKSTATION IS BEST SUITED FOR

- 1** Companies ready to upgrade from PCs to more powerful workstations without breaking the budget.
- 2** Any organization requiring reliable performance – manufacturing, design, architecture, finance, medical imaging, software development etc.
- 3** Users in mission-critical environments, working on 2D and entry level 3D workflows as well as VR content

## WHAT'S IN A THINKSTATION®

- 1** Superior thermal design
- 2** Diagnostics and self-monitoring
- 3** Flex configuration for ultimate customization
- 4** Modular design for easy upgradability
- 5** Wide range of ISV certifications



## SPECIFICATIONS

### PERFORMANCE

#### Processor<sup>1</sup>

##### Tower / SFF

Intel® Xeon® E3-1200 v6 Processor  
7th Gen Intel® Core™ i7 Processor  
7th Gen Intel® Core™ i5 Processor  
7th Gen Intel® Core™ i3 Processor

#### Operating System

Windows 10 Pro 64-bit<sup>2</sup>  
Windows 7 Pro 64-bit<sup>3</sup>  
Ubuntu and RHEL Linux support

#### Graphics

**SFF** : NVIDIA® NVS™ / Quadro® Up to 2 x P1000  
**Tower** : NVIDIA® NVS™ / Quadro® Up to P4000<sup>4</sup>

#### Memory

Up to 64GB 2400MHz ECC UDIMM DDR4,  
4 slots

#### Storage

3.5" SATA 7200 rpm up to 4TB  
3.5" SATA 7200 rpm Hybrid up to 2TB  
2.5" SATA SSD up to 2TB  
M.2 PCIe SSD up to 1TB

#### Tower :

Max M.2 = 2 (2TB)<sup>5</sup>  
Max 3.5" = 4 (16TB)<sup>5</sup>  
Max 2.5" = 4 (8TB)<sup>5</sup>

#### SFF :

Max M.2 = 2 (2TB)<sup>5</sup>  
Max 3.5" = 2 (8TB)<sup>5</sup>  
Max 2.5" = 3 (6TB)<sup>5</sup>

#### Power Supply

210W 85% Efficient  
250W 85%<sup>6</sup> Efficient  
400W 92%<sup>6</sup> Efficient

#### RAID

0, 1, 5, 10<sup>6</sup>

#### Flex Module

Choose up to 4 modules:  
Intel® Thunderbolt™ 3 (Type-C)  
9.0 mm Slim ODD  
Media Card Reader  
1394 IEEE Firewire  
eSATA

## OPTIONS AND ACCESSORIES

ThinkVision® P27q Monitor  
3Dconnexion® CAD Mouse  
Rack Shelf Conversion Kit

### CONNECTIVITY

#### Ports

##### Front

(2) USB 3.0  
(1) Microphone  
(1) Headphone  
(1) 29-in-1 Media Card Reader<sup>7</sup> (Optional)  
(1) 9-in-1 Media Card Reader (Optional)  
(1) 1394 IEEE Firewire<sup>7</sup>  
(1) eSATA<sup>7</sup>

##### Rear

(4) USB 3.0  
(2) USB 2.0  
(1) Serial  
(1) VGA  
(2) DisplayPort™  
(1) Ethernet  
(1) Audio Line-in  
(1) Audio Line-out  
(1) Microphone-in

#### WiFi

Intel® Dual Band Wireless-AC 8265  
802.11 b/g/n, 2 x 2,  
2.4 GHz WiFi + Bluetooth® 4.0

#### PCI / PCIe Slots

1 x PCIe x16  
1 x PCI x4 (x16 Mechanical)  
2 x PCIe x1

### DESIGN

#### Dimensions (W x D x H)

##### Small Form Factor

(mm) : 101.6 x 394.5 x 337.8  
(inches) : 4.0" x 15.5" x 13.3"

##### Tower

(mm) : 175.3 x 426 x 376  
(inches) : 6.9" x 16.8" x 14.8"

#### Chipset

Intel® C236

#### Physical Security

Cable Lock

### SOFTWARE

#### Windows 10 Preload

CyberLink Power2Go  
(on systems with optical drives)  
CyberLink Create  
(on systems with optical drives)  
Lenovo™ Companion  
Microsoft Office 2016 (trial)

#### Windows 7 Preloads

Adobe® Acrobat® Reader  
CyberLink Power2Go  
(on systems with optical drives)  
CyberLink Create  
(on systems with optical drives)  
Microsoft Office 2016 (trial)  
McAfee™ LiveSafe 30-day trial  
(systems with Core i5 and i7 CPU)  
ThinkVantage® System Update  
Rescue and Recovery®  
Lenovo™ Solution Center  
Lenovo™ PowerEngage  
Splashtop®

### GREEN CERTIFICATION

ENERGY STAR® 6.0 Qualified  
EPEAT™ GOLD Rating  
GREENGUARD® Certified  
80 PLUS® Platinum - 400 W 92% PSU  
80 PLUS® Bronze - 250 W 85% PSU  
210 W 85% PSU

<sup>1</sup> 6th Gen Intel Core i and Intel® Xeon® E3-1200 v5 processors also available

<sup>2</sup> Home®, Enterprise® and IoT™

<sup>3</sup> Available via Windows 10 Pro 64-bit license downgrade facilitation using 6th Gen Intel® Core™ i and Intel® Xeon v5 processors

<sup>4</sup> Only available with 400 W power supply

<sup>5</sup> Any combination of storage to equal maximum storage drives

<sup>6</sup> Tower only

<sup>7</sup> Via FLEX module

## RECOMMENDED SERVICES

Lenovo™ offers a comprehensive portfolio of services to support and protect your ThinkStation® investment. Focus on your customers and business, not your IT.

#### PRIORITY TECHNICAL SUPPORT®

Makes your priority, our priority. 24x7 priority call routing to advanced-level technicians, electronic incident tracking, and rapid response and resolution.

#### WARRANTY UPGRADES - ON-SITE AND NEXT BUSINESS DAY

Maximizes PC uptime and productivity by providing convenient, fast repair service the next business day.

#### WARRANTY EXTENSIONS

##### (1-TO-4 YEARS TOTAL DURATION)

This fixed-term, fixed-cost service helps accurately budget for PC expenses, protect your valuable investment and potentially lower the cost of ownership over time.

<sup>8</sup> Not available in all regions.



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