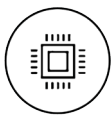**Lenovo™ recommends Windows.**

# 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 and Turbo Boost up to 4.5GHz, 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

intel® XEON® inside™

# SPECIFICATIONS

## PERFORMANCE

**Processor[1]**
**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 for Workstations
Windows 10 Pro 64-bit[2]
Windows 7 Professional 64-bit[3]
Ubuntu and RHEL Linux support

**Graphics**
**SFF :** NVIDIA® NVS™ / Quadro® Up to 2 x P1000
**Tower :** NVIDIA® NVS™ / Quadro® Up to P4000[4]

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

**Storage**
3.5″ SATA 7200 rpm up to 4TB
2.5″ SATA SSD up to 2TB
M.2 PCIe SSD up to 1TB

**Tower :**
Max M.2 = 2 (2TB)[5]
Max 3.5″ = 4 (16TB)[5]
Max 2.5″ = 4 (8TB)[5]

**SFF :**
Max M.2 = 2 (2TB)[5]
Max 3.5″ = 2 (8TB)[5]
Max 2.5″ = 3 (6TB)[5]

**Power Supply**
210W 85% Efficient
250W 85%[6] Efficient
400W 92%[6] Efficient

**RAID**
0, 1, 5, 10[6]

**Flex Module**
Choose up to 4 modules:
Intel® Thunderbolt™ 3 (Type- C)[6]
9.0 mm Slim ODD
Media Card Reader
1394 IEEE Firewire
eSATA

## 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[7] (Optional)
(1) 9-in-1 Media Card Reader (Optional)
(1) 1394 IEEE Firewire[7]
(1) eSATA[7]

**Rear**
(4) USB 3.0
(2) USB 2.0
(1) Serial (Optional)
(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 PowerDVD
(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 PowerDVD
(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® 6.1 Qualified
EPEAT™ GOLD Rating
GREENGUARD® Certified
80 PLUS® Platinum – 400 W PSU
80 PLUS® Silver – 250 W PSU

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[1] 6th Gen Intel Core i and Intel® Xeon® E3-1200 v5 processors also available
[2] Home, Enterprise and IoT
[3] Available via Windows 10 Pro 64-bit license downgrade facilitation using 6th Gen Intel® Core™ i and Intel® Xeon v5 processors
[4] Only available with 400 W power supply
[5] Any combination of storage to equal maximum storage drives
[6] Tower only
[7] 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.

**WARRANTY EXTENSIONS[8]**
This fixed-term, fixed-cost service helps accurately budget for PC expenses, protect your investment and potentially lower the cost of ownership over time.

**TECHNICIAN INSTALLATION OF CRU[10] PARTS**
Frees you from installing all internal parts so that you have more time to deal with mission critical business.

**LENOVO PREMIER SUPPORT[9]**
Connects your organization directly with EMEA-based skilled technicians, who will provide hardware and software support with 'ease' of trouble shooting communication and expediting Next Business Day On-site support when required.

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[8] Available up to 5 years total duration
[9] Not available in all regions
[10] CRU - Customer Replaceable Unit

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