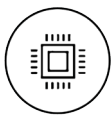**Lenovo™ recommends Windows.**

# 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, 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 64-bit[2]
Windows 7 Pro 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
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)[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)
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[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
(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® 6.0 Qualified
EPEAT™ GOLD Rating
GREENGUARD® Certified
80 PLUS® Platinum – 400 W 92% PSU
80 PLUS® Bronze – 250 W 85% PSU
                              210 W 85% PSU

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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.

**PRIORITY TECHNICAL SUPPORT[8]**
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.

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[8] Not available in all regions.

**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.

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