ThinkStation P5 30GA0020AU

PSREF
Product Specifications Reference

PERFORMANCE

Processor
Intel® Xeon® w3-2423, 6C (6P + 0E) / 12T, 2.1 / 4.2GHz, 15MB

Processor Sockets
1x FCLGA4677

Discrete Graphics
1x NVIDIA® RTX A2000 12GB

Chipset
Intel W790 Chipset

Memory
2x 16GB RDIMM DDR5-4800 ECC

Memory Slots
8 DDR5 DIMM slots, 4 channels capable

Max Memory[1]
Up to 512GB (8x 64GB RDIMM)

M.2 SSD RAID Controller
Integrated NVMe® Controller, non-RAID

M.2 SSD Drive
1x 1TB SSD M.2 2280 PCIe® 4.0x4 Performance NVMe Opal

HDD Controller
Onboard Intel RSTe SATA

SATA/SAS Drive
1x 2TB HDD 7200rpm 3.5" SATA6Gb/s

Storage Support[2]
Up to 10 drives (3x 3.5" SATA HDD + 7x M.2 SSD)
• 3.5" HDD up to 12TB each
• M.2 SSD up to 4TB or 2TB each (see Storage Type)

Audio Chip
High Definition (HD) Audio, Realtek® ALC897-Q codec

Power Supply
750W Platinum Fixed

DESIGN

Keyboard
USB Traditional Keyboard, Black, English

Mouse
USB Calliope Mouse, Black

Expansion Slots
Two PCIe 5.0 x16
One PCIe 4.0 x8
Three PCIe 4.0 x4

M.2 Slots
Up to 7x M.2 SSD:
• 2 via onboard slots
• 4 via Quad M.2 to PCIe adapter
• 1 via front access M.2 bay

Bays
Three internal disk bays plus one front access M.2 bay:
• Bay 1 supports one 3.5" HDD, standard
• Bay 2 supports one 3.5" HDD, standard
• Bay 3 supports one 3.5" HDD, optional
• Front access M.2 bay supports one M.2 SSD, optional

Dimensions (WxDxH)[3]
165 x 453.9 x 446 mm (6.5 x 17.9 x 17.6 inches, with feet)

Weight[4]
19 kg (41.9 lbs, maximum configuration)

CONNECTIVITY

Onboard Ethernet
Intel I219-LM, 1x GbE RJ-45

Optional Ethernet
None

WLAN + Bluetooth®
None

Card Reader
15-in-1 Card Reader

Front Ports
1x headphone / microphone combo jack (3.5mm)

Optional Front Ports (configured)
None

Rear Ports[5]
- 1x USB-C® 3.2 Gen 2x2
- 2x USB 2.0
- 3x USB 3.2 Gen 2
- 1x Ethernet (GbE RJ-45)
- 1x line-in (3.5mm)
- 1x line-out (3.5mm)

Optional Rear Ports (configured)
None

SECURITY & PRIVACY

Security Chip
Discrete TPM 2.0, TCG certified

Physical Locks
Kensington® Security Slot™, 3 x 7 mm

Cover Lock
None

Chassis Intrusion Switch
Chassis Intrusion Switch

MANAGEABILITY

System Management
Intel® vPro® Enterprise with Intel AMT 16

Diagnostic
Front Diagnostic Panel with QR code

SERVICE

Base Warranty
3-year, Onsite

Included Upgrade
3Y Premier Support Upgrade from 3Y Onsite

CERTIFICATIONS

Green Certifications[6]
- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- TCO Certified 9.0
- RoHS compliant

ISV Certifications
Please visit ISV certifications for Lenovo® Workstations

SOFTWARE

Operating System
Windows® 11 DG Windows 10 Pro 64 for Workstations, English

Bundled Software
None

MODEL

TopSeller	: Yes	**Announce Date**	: 2023-04-26
EAN / UPC / JAN	: 197529123560	**End of Support**	: 2031-05-03

To see more note information, please link to
https://psref.lenovo.com/Detail/ThinkStation_P5?M=30GA0020AU.

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· Product image on this page is a sample, it may not match the real color of this model

Premier Support - **A direct 24x7x365 line to our most elite technicians.**

- Advanced technical support, 24x7x365, in more than 100 markets
- Technical Account Managers for proactive relationship and escalation management
- Comprehensive hardware & OEM software support
- Priority on service delivery and repair parts
- Single point of contact for simplified end-to-end case management
- Lenovo Service Connect Portal for customized reporting and product support

Accidental Damage Protection - **Protection of your PC from the unexpected.**

Experience shows that a significant portion of devices may be damaged (and not covered under warranty) in the first three years. Lenovo's Accidental Damage Protection service covers accidents beyond the system warranty such as drops, spills, bumps and even electrical surges. Make sure your new device has maximum protection, avoid unplanned costs and get peace of mind.

Base Warranty - **Included with the systems you purchase, default 1- or 3-year coverage window.**

Warranty Extensions & Upgrades - **Service and protection that's right for your circumstances.**

- Pick Up & Return Courier
- Onsite Support
- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

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Recommended Accessories



Kensington MicroSaver 2.0 Cable Lock from Lenovo

4XE0N80914

Protect your device. Lenovo offers the latest standard in device security – the MicroSaver 2.0 Cable Lock From Lenovo. Engineered to be the smallest, strongest lock for laptops and other devices, the MicroSaver 2.0 re...

Recommended Services

BEST	4Y Premier Support Plus upgrade from 3Y Premier Support (5WS1L42106)
BETTER	3Y Premier Support Plus upgrade from 3Y Premier Support (5WS1L42174)
GOOD	4Y Premier Support upgrade from 3Y Premier Support (5WS0W86673)

For a full list of accessories and services, please visit:
https://smartfind.Lenovo.com

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