ThinkStation P520 30BE00N1GE

PSREF
Product Specifications Reference

PERFORMANCE

Processor
Intel® Xeon® W-2245 (8C / 16T, 3.9 / 4.5GHz, 16.5MB)

Processor Sockets
1x FCLGA2066

Chipset
Intel C422

Memory
1x 16GB RDIMM DDR4-2933 ECC

Memory Slots
8 DDR4 DIMM slots, 4 channels capable

Max Memory
Up to 512GB (8x 64GB RDIMMs) DDR4-2933

M.2 SSD RAID Controller
RAID 0/1

M.2 SSD Drive
1x 512GB SSD M.2 PCIe® NVMe® Opal

HDD Controller
Onboard Intel RSTe SATA

Storage Support
Up to 6x 3.5" SATA HDD / 2.5" SATA HDD / 2.5" SATA SSD + 9x M.2 PCIe SSD + 1x PCIe AIC SSD
• 3.5" HDD up to 6TB each
• 2.5" SATA HDD up to 500GB each
• 2.5" SATA SSD up to 2TB each
• 2.5" SAS HDD up to 600GB each
• M.2 PCIe SSD up to 2TB each
• PCIe AIC SSD up to 480GB each

Audio Chip
High Definition (HD) Audio, Realtek® ALC662 codec

Power Supply
1000W Platinum Fixed

DESIGN

Keyboard
USB Traditional Keyboard, Black, German

Mouse
USB Calliope Mouse

Expansion Slots
- One PCI
- One PCIe 3.0 x8
- Two PCIe 3.0 x4
- Two PCIe 3.0 x16

M.2 Slots
Up to 9x M.2 SSD:
• 2 via onboard slots
• 4 via Quad M.2 to PCIe adapter
• 3 via Single M.2 to PCIe adapter

Bays
- 2x 3.5" disk bay (standard)
- 4x 3.5" disk bay (optional):
  2 bays come with 3rd disk or Storage Bay Upgrade Kit
  2 bays via flex bay

Flex Bays
2x flex bays, supports the following:
• 2x half-height optical drives
• 2x 5.25" 9.0mm optical drives
• 1x 5.25" 9.0mm optical drive + 2x 3.5"/2.5" SATA SSD/HDD
• 1x 3.5"/2.5" SATA SSD/HDD with Front Access Storage Enclosure
• 1x flex module for the following options:
Tray 1: 9.0mm optical
Tray 2: 15-in-1 USB 3.1 Gen 1 reader, 2x Thunderbolt™, or 4-digit diagnostic display
Port 1 and 2: Front USB 3.1 Gen 1 Type-C or eSATA

Dimensions (WxDxH)
165 x 460 x 440 mm (6.5 x 18.1 x 17.3 inches, with feet)

Weight
24 kg (52.91 lbs, maximum configuration)

CONNECTIVITY

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

Front Ports
- 1x USB 3.1 Gen 1 (Always On and fast charge)
- 3x USB 3.1 Gen 1
- 1x headphone / microphone combo jack (3.5mm)

Rear Ports
- 2x USB 2.0
- 4x USB 3.1 Gen 1
- 2x PS/2 ports (keyboard / mouse)
- 1x Ethernet (RJ-45)
- 1x line-in (3.5mm)
- 1x line-out (3.5mm)
- 1x microphone (3.5mm)

SECURITY & PRIVACY

Security Chip
Discrete TPM 2.0, TCG certified

Physical Locks
Kensington® Security Slot, 3 x 7 mm

MANAGEABILITY

System Management
Intel® vPro with AMT 11

SERVICE

Base Warranty
3-year, Onsite

CERTIFICATIONS

Green Certifications
- EPEAT™ Silver
- ENERGY STAR® 8.0 (on model 30BE00B7US)
- GREENGUARD®
- RoHS compliant

ISV Certifications
Please visit www.thinkworkstations.com/isv-certifications/

SOFTWARE

Operating System
Windows® 10 Pro 64 for Workstations, German

MODEL

TopSeller	: Yes	Announce Date	: 2022-01-11
EAN / UPC / JAN	: 0196379512777	End of Support	: 2028-01-07



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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

4X60N86662

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	5Y Lenovo Support (Premier Support + Keep Your Drive + International Upg) (5PS0N73174)
BETTER	4Y Lenovo Support (Premier Support + Keep Your Drive + International Upg) (5PS0N73243)
GOOD	5Y Premier Support Upgrade from 3Y Onsite (5WS0T36128)

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

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Product Specifications Reference