

Lenovo ThinkStation P2 30FR(30FR000GMB)

Lenovo ThinkStation P2 30FR - Tower 1 x Core i7 i7-14700 / up to 5.4 GHz - vPro Enterprise - RAM 16 GB - SSD 512 GB - TCG Opal Encryption, NVMe, Performance - UHD Graphics 770 - Gigabit Ethernet - Win 11 Pro - monitor: none - keyboard: Belgium English - Lenovo TopSeller



The Lenovo ThinkStation P2 is a workstation designed to meet the needs of professionals seeking reliable, high-performance computing solutions. At its core, the 20-core Intel Core i7 processor and DDR5 SDRAM provide the speed and responsiveness required for complex applications and multitasking. Storage is both fast and secure, thanks to the PCI Express 4.0 x4 SSD equipped with NVMe and TCG Opal Encryption. Expansion is a breeze with multiple PCIe 4.0 x16 and M.2 card slots, allowing for future growth and customization. Energy efficiency is also a key feature, with an 80 PLUS Platinum certified power supply ensuring operational cost savings. Additionally, the workstation offers a wide range of connectivity options, including USB 3.2, HDMI, and DisplayPort 1.4, making it easy to connect to various peripherals and displays. With its robust features and reliable performance, the Lenovo ThinkStation P2 is an ideal choice for professionals looking to enhance their computing capabilities.

Key Selling Points

- 20-core Intel Core i7 processor for high-end performance
- DDR5 SDRAM supports faster memory speeds and improved efficiency
- PCI Express 4.0 x4 SSD with NVMe for rapid data access and security
- 80 PLUS Platinum power supply for energy efficiency
- Comprehensive USB 3.2, HDMI, and DisplayPort connectivity options

Product Features

- Advanced performance**
Equipped with a 20-core Intel Core i7-14700 processor and DDR5 SDRAM, this workstation delivers exceptional speed and efficiency for demanding applications.
- Superior storage**
Features a high-speed SSD with PCI Express 4.0 x4 interface, enhanced by NVM Express (NVMe) and TCG Opal Encryption for fast, secure data access.
- Robust expansion capabilities**
Offers a variety of expansion slots including PCIe 4.0 x16 and M.2 card slots, providing ample room for future upgrades and specialized hardware integration.
- Energy efficient**
ENERGY STAR certified and equipped with an 80 PLUS Platinum power supply, ensuring high energy efficiency and lower operating costs.
- Professional-grade connectivity**
Includes a comprehensive set of USB 3.2 ports, HDMI, and DisplayPort 1.4 outputs, facilitating easy connection to a wide range of peripherals and displays.

Main Specifications

Product Description	Lenovo ThinkStation P2 - tower Core i7 i7-14700 2.1 GHz - vPro Enterprise - 16 GB - SSD 512 GB - Belgium English
Type	Workstation - tower
Platform Technology	Intel vPro Enterprise
Localisation	Language: English, German, French, Dutch / region: Belgium
Processor	1 x Intel Core i7 (14th Gen) i7-14700 / 2.1 GHz (up to 5.4 GHz, (20-core)
Processor Socket	FCLGA1700 Socket
Cache Memory	33 MB
Cache Per Processor	33 MB
RAM	16 GB (installed) / 128 GB (max) - DDR5 SDRAM - non-ECC
Storage Controller	RAID (SATA 6Gb/s); RAID (PCI Express (NVMe))

Hard Drive	SSD 512 GB - PCI Express 4.0 x4 - M.2 2280 - TCG Opal Encryption, NVM Express (NVMe), Performance
Optical Storage	No optical drive
Card Reader	Yes
Graphics Controller	Intel UHD Graphics 770 Shared Video Memory (UMA)
Networking	1GbE
Keyboard	Belgium English
Power	(50/60 Hz)
OS Provided	Windows 11 Pro
Dimensions (WxDxH)	17 cm x 31.535 cm x 37.6 cm
Weight	9.67 kg
Manufacturer Selling Program	Lenovo TopSeller
Environmental Standards	ENERGY STAR Qualified EPEAT Gold
Manufacturer Warranty	Limited warranty - 3 years - on-site

Extended Specification

General

Platform Technology	Intel vPro Enterprise
Type	Workstation
Product Form Factor	Tower
Built-in Devices	Speaker
Embedded Security	Discrete Trusted Platform Module (TPM 2.0) Security Chip
Localisation	Language: English, German, French, Dutch / region: Belgium

Expansion / Connectivity

Bays	1 (total) / 1 (free) x internal 3.5"
Slots	1 (total) / 1 (free) x PCIe 4.0 x16 (full-length, full-height) 1 (total) / 1 (free) x PCIe 4.0 x16 (x4 mode) 2 (total) / 2 (free) x PCIe 3.0 x1 1 (total) / 1 (free) x M.2 Card (for WLAN) 2 (total) / 1 (free) x M.2 Card (for SSD)
Interfaces	5 x USB 3.2 Gen 1 (2 front, 3 rear) 1 x USB 3.2 Gen 1 (1 rear) (supports SmartPower On) 1 x USB-C 3.2 Gen 2 (1 in front) 2 x USB 3.2 Gen 2 (2 in front) 1 x headphones/microphone (1 in front) 1 x microphone (1 in front) 1 x HDMI 2 x DisplayPort 1.4 1 x LAN (Gigabit Ethernet) 1 x audio line-out

Manufacturer Warranty

Service & Support	Limited warranty - 3 years - on-site
-------------------	--------------------------------------

RAM

Installed Size	16 GB (installed) / 128 GB (max)
Technology	DDR5 SDRAM - non-ECC
Effective Memory Speed	4400 MHz
Rated Memory Speed	4400 MHz
Form Factor	DIMM 288-pin
Slots	4 (Total) / 2 (empty)
Features	Unbuffered, dual channel memory architecture
Configuration Features	2 x 8 GB

Networking

Ethernet Controller	Intel I219-LM
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet
Features	Wake on LAN (WoL)

Miscellaneous

Theft/Intrusion Protection	Security lock slot (cable lock sold separately), padlock loop
Security Slot Type	Kensington security slot
Compliant Standards	RoHS, FIPS 140-2, Energy-Related Products (ErP) Lot 3, TCG Certified, TCO Certified 9.0
Manufacturer Selling Program	Lenovo TopSeller

Power

Device Type	Power supply
Voltage Required	AC 100-240 V (50/60 Hz)
Power Provided	750 Watt
80 PLUS Certification	80 PLUS Platinum
Efficiency	92%

Environmental Parameters

Min Operating Temperature	10 °C
Max Operating Temperature	35 °C
Humidity Range Operating	20 - 80%

Storage Controller

Type	1 x RAID
Controller Interface Type	SATA 6Gb/s
RAID Level	RAID 0, RAID 1

Cache Memory

Installed Size	33 MB
Cache Per Processor	33 MB

Optical Storage

Type	No optical drive
------	------------------

Operating System / Software

OS Provided	Windows 11 Pro Dutch / English / French / German / Italian
-------------	--

Monitor

Monitor Type	None.
--------------	-------

Graphics Controller

Graphics Processor	Intel UHD Graphics 770 Shared Video Memory (UMA)
Video Interfaces	HDMI, DisplayPort
Max Monitors Supported	3

Audio Output

Compliant Standards	High Definition Audio
---------------------	-----------------------

Storage Controller (2nd)

Type	1 x RAID
Controller Interface Type	PCI Express (NVMe)
RAID Level	RAID 0, RAID 1

Hard Drive

Type	SSD - M.2 2280
Capacity	1 x 512 GB
Interface Type	PCI Express 4.0 x4
Features	TCG Opal Encryption, NVM Express (NVMe), Performance

Input Device

Type	Mouse, keyboard
------	-----------------

Dimensions & Weight

Width	17 cm
Depth	31.535 cm
Height	37.6 cm
Weight	9.67 kg

Keyboard

Keyboard Name	Lenovo Calliope Keyboard
Interface	USB
Localization & Layout	Belgium English

Card Reader

Type	Card reader
Supported Flash Memory Cards	SD Memory Card

Mouse

Mouse Name	Lenovo Calliope Mouse
Interface	USB

Processor / Chipset

CPU	Intel Core i7 (14th Gen) i7-14700
Clock Speed	2.1 GHz (P-core) / 1.5 GHz (E-core)
Max Turbo Speed	5.4 GHz (P-core) / 4.2 GHz (E-core)
Number of Cores	20-core
CPU Qty	1
Max CPU Qty	1
CPU Socket	FCLGA1700 Socket
Chipset Type	Intel W680

Sustainability Information

EPEAT Compliant	EPEAT Gold
ENERGY STAR Certified	Yes
ENERGY STAR Version	8.0

*TD SYNnex is not responsible for errors in the documentation of products.