

Lenovo ThinkStation WS P350, Intel i9-11900k, 2x16GB DDR4, 512GB SSD M.2, Nvidia RTX A4000 16GB, Windows 10 Pro(30E3004PMZ)

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Mission-critical tasks require superior reliability and powerful performance; the ThinkStation P350 leads on both counts and does it with exceptional all-around value. Built with a high-performance Intel processor and NVIDIA RTX graphics, this powerful entry workstation offers the ultimate workspace flexibility.

Taking entry level to the next level, the P350 offers PCIe Gen 4 for faster advanced cutting-edge storage technologies, as well as unmatched professional graphics support. The perfect workstation solution for designers, engineers, and students looking for versatility, flexibility, and breakthrough performance - the ThinkStation P350 provides the value you need without compromising on compute power.

## Main Specifications

Product Description	Lenovo ThinkStation P350 - tower - Core i9 11900K 3.5 GHz - vPro - 32 GB - SSD 512 GB - Swiss
Type	Workstation - tower
Bundled Services	1 Year Lenovo Premier Support
Platform Technology	Intel vPro Platform
Localisation	Language: English, German, French, Italian / region: Switzerland
Processor	1 x Intel Core i9 (11th Gen) 11900K / 3.5 GHz (5.3 GHz) (8-core)
Processor Socket	FCLGA1200 Socket
Cache Memory	16 MB
Cache Per Processor	16 MB
RAM	32 GB (installed) / 128 GB (max) - DDR4 SDRAM - non-ECC
Storage Controller	SATA (SATA 6Gb/s); NVMe (PCI Express)
Hard Drive	SSD 512 GB - PCI Express 4.0 - M.2 2280 - TCG Opal Encryption, NVMe Express (NVMe)
Optical Storage	DVD-Writer
Card Reader	Yes
Multi-GPU Configuration	1 single GPU card / integrated GPU
Graphics Controller	NVIDIA RTX A4000 / Intel UHD Graphics 750
Video Memory	24 GB GDDR6 SDRAM
Networking	GigE
Keyboard	Swiss
Power	(50/60 Hz)
OS Provided	Windows 10 Pro 64-bit Edition
Dimensions (WxDxH)	17 cm x 31.535 cm x 37.6 cm
Weight	9.4 kg
Manufacturer Selling Program	TopSeller
Environmental Standards	TCO Certified Desktops 8, ENERGY STAR Qualified
Manufacturer Warranty	Limited warranty - 3 years - on-site

## Extended Specification

### General

Platform Technology	Intel vPro Platform
Type	Workstation
Bundled Services	1 Year Lenovo Premier Support
Product Form Factor	Tower
Built-in Devices	Speaker
Embedded Security	Discrete Trusted Platform Module (TPM 2.0) Security Chip
Localisation	Language: English,German,French,Italian / region: Switzerland

#### Processor / Chipset

CPU	Intel Core i9 (11th Gen) 11900K
Clock Speed	3.5 GHz
Max Turbo Speed	5.3 GHz
Number of Cores	8-core
CPU Qty	1
Max CPU Qty	1
CPU Socket	FCLGA1200 Socket
Chipset Type	Intel W580

#### Cache Memory

Installed Size	16 MB
Cache Per Processor	16 MB

#### RAM

Installed Size	32 GB / 128 GB (max)
Technology	DDR4 SDRAM - non-ECC
Effective Memory Speed	3200 MHz
Rated Memory Speed	3200 MHz
Form Factor	DIMM 288-pin
Slots	4 (Total) / 2 (empty)
Features	Unbuffered,dual channel memory architecture
Configuration Features	2 x 16 GB

#### Hard Drive

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

#### Storage Controller

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

#### Storage Controller (2nd)

Type	1 x NVMe
Controller Interface Type	PCI Express

RAID Level	RAID 0,RAID 1
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#### Optical Storage

Type	DVD-Writer
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#### Card Reader

Type	Card reader
Supported Flash Memory Cards	SD Memory Card

#### Monitor

Monitor Type	None.
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#### Graphics Controller

Multi-GPU Configuration	1 single GPU card / integrated GPU
Graphics Processor	NVIDIA RTX A4000 / Intel UHD Graphics 750
Video Memory	24 GB GDDR6 SDRAM
Video Interfaces	DisplayPort

#### Audio Output

Compliant Standards	High Definition Audio
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#### Input Device

Type	Mouse,keyboard
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#### Keyboard

Keyboard Name	Lenovo Traditional Keyboard
Interface	USB
Localization &Layout	Swiss

#### Mouse

Mouse Name	Lenovo Calliope Mouse
Interface	USB

#### Networking

Ethernet Controller	Intel I219-LM
Data Link Protocol	Ethernet,Fast Ethernet,Gigabit Ethernet
Features	Wake on LAN (WoL),Intel Active Management Technology (AMT) 14
Compliant Standards	DASH

#### Expansion / Connectivity

Bays	1 (total) / 1 (free) x internal 3.5"
Slots	1 (total) / 0 (free) x PCIe 4.0 x16
	1 (total) / 1 (free) x PCIe 3.0 x16 (x4 mode)
	1 (total) / 1 (free) x PCIe 3.0 x1
	3 (total) / 2 (free) x M.2 Card

Interfaces	2 x USB 3.2 Gen 1 (2 in front) 2 x USB 3.2 Gen 2 (2 in front) 1 x USB-C 3.2 Gen 2 (1 in front) 1 x headphones/microphone (1 in front) 1 x microphone (1 in front) 4 x USB 3.2 Gen 1 (one of them supports SmartPower On) 1 x serial 1 x LAN (Gigabit Ethernet) 1 x audio line-out 2 x DisplayPort 4 x DisplayPort 1.4a
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#### Miscellaneous

Theft/Intrusion Protection	Security lock slot (cable lock sold separately), padlock loop, cable lock, chassis intrusion switch, chassis E-Lock
Security Slot Type	Kensington security slot
Compliant Standards	RoHS
Manufacturer Selling Program	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%

#### Operating System / Software

OS Provided	Windows 10 Pro 64-bit Edition Dutch / English / French / German / Italian
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#### Environmental Standards

TCO Certified	TCO Certified Desktops 8
ENERGY STAR Certified	Yes
ENERGY STAR Version	8.0

#### Manufacturer Warranty

Service & Support	Limited warranty - 3 years - on-site
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#### Dimensions & Weight

Width	17 cm
Depth	31.535 cm
Height	37.6 cm
Weight	9.4 kg

#### Environmental Parameters

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