Lenovo ThinkPad P14s AMD Ryzen™ 7 PRO 7840U Mobile workstation 35.6 cm (14") 2.8K 32 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Black

Brand : Lenovo   **Product family:** ThinkPad   **Product code:** 21K50018US

Product name : P14s

- Windows 11 Pro 64-bit
- AMD Ryzen 7 PRO 7840U (16MB Cache, 3.3GHz)
- 35.6 cm (14") 2.8K 2880 x 1800 OLED
- 32GB (7500MHz) LPDDR5x-SDRAM & 1000GB SSD

AMD Ryzen 7 PRO 7840U (16MB Cache, 3.3GHz), 32GB LPDDR5x-SDRAM, 1000GB SSD, 35.6 cm (14") 2.8K 2880 x 1800 OLED, AMD Radeon 780M, LAN, WLAN, Webcam, Windows 11 Pro 64-bit
Lenovo ThinkPad P14s. Product type: Mobile workstation, Form factor: Clamshell. Processor family: AMD Ryzen™ 7 PRO, Processor model: 7840U, Processor frequency: 3.3 GHz. Display diagonal: 35.6 cm (14"), HD type: 2.8K, Display resolution: 2880 x 1800 pixels. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: AMD Radeon 780M. Operating system installed: Windows 11 Pro. Product colour: Black

Design

Colour name	Villi Black
Product type *	Mobile workstation
Product colour *	Black
Form factor *	Clamshell

Display

Display diagonal *	35.6 cm (14")
Display resolution *	2880 x 1800 pixels
Touchscreen *	✗
HD type	2.8K
Panel type	OLED
LED backlight	✔
Native aspect ratio	16:10
Anti-glare screen	✔
Display brightness	400 cd/m²
RGB colour space	DCI-P3
Colour gamut	100%
Contrast ratio (typical)	100000:1
High Dynamic Range (HDR) supported	✔
High Dynamic Range (HDR) technology	HDR True Black 500, Dolby Vision

Processor

Processor manufacturer *	AMD
Processor family *	AMD Ryzen™ 7 PRO
Processor generation	AMD Ryzen PRO 7000 Series
Processor model *	7840U
Processor cores	8
Processor boost frequency	5.1 GHz

Network

Antenna type	2x2
WLAN controller model	Qualcomm NFA725A
WLAN controller manufacturer	Qualcomm
Ethernet LAN	✔
Ethernet LAN data rates	100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	5.1
Near Field Communication (NFC)	✗
WWAN	Upgradable

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
USB4 Gen 3x2 ports quantity	1
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	2.1
Combo headphone/mic port	✔
USB Type-C DisplayPort Alternate Mode	✔
USB Sleep-and-Charge	✔
USB Sleep-and-Charge ports	2

Performance

Motherboard chipset	AMD SoC

Keyboard

Pointing device	ThinkPad UltraNav
Keyboard layout	QWERTY

Processor

Processor frequency *	3.3 GHz
Processor cache	16 MB
Processor cache type	L3

Memory

Internal memory *	32 GB
Internal memory type	LPDDR5x-SDRAM
Memory clock speed	7500 MHz
Memory form factor	On-board
Maximum internal memory *	32 GB
Memory channels	Dual-channel
Non-ECC	✔

Storage

Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	PCI Express 4.0
NVMe	✔
SSD form factor	M.2
Optical drive type *	✘
Card reader integrated	✘

Graphics

Discrete graphics card model *	Not available
On-board graphics card *	✔
On-board GPU manufacturer	AMD
Discrete graphics card *	✘
On-board graphics card family	AMD Radeon
On-board graphics card model *	AMD Radeon 780M

Audio

Audio chip	Realtek ALC3287
Audio system	Dolby Audio
Number of built-in speakers	2
Speaker power	2 W
Built-in microphone	✔
Number of microphones	2

Camera

Front camera	✔
Front camera resolution (numeric)	5 MP
Infrared (IR) camera	✔
Privacy camera	✔
Privacy type	Privacy shutter

Network

Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	802.11a, 802.11g, Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax), 802.11b, Wi-Fi 4 (802.11n), Wi-Fi 6 (802.11ax)
Mobile network connection *	✘

Keyboard

Keyboard language	US English
Numeric keypad *	✘
Keyboard backlit	✔
Spill-resistant keyboard	✔

Software

Operating system architecture	64-bit
Operating system language	English
Operating system installed *	Windows 11 Pro

Battery

Battery technology	Lithium Polymer (LiPo)
Battery capacity *	52.5 Wh
Fast charging	✔

Power

AC adapter power	65 W
AC adapter frequency	50/60 Hz
AC adapter input voltage	100 - 240 V
USB Power Delivery (USB PD) *	✔

Security

Cable lock slot	✔
Cable lock slot type	Kensington
Fingerprint reader	✔
Smart card reader	✘
Trusted Platform Module (TPM)	✔
Trusted Platform Module (TPM) version	2.0
Password protection	✔
Password protection type	HDD, Power on, Supervisor

Operational conditions

Operating temperature (T-T)	5 - 35 °C
Storage temperature (T-T)	5 - 43 °C
Operating relative humidity (H-H)	8 - 95%
Storage relative humidity (H-H)	5 - 95%
Maximum shipping altitude	3048 m

Certificates

Compliance certificates	RoHS
Certification	MIL-STD-810G

Sustainability

Sustainability certificates	TCO, ENERGY STAR, EPEAT Gold

Weight & dimensions

Width	317.7 mm
Depth	226.9 mm
Height	17.9 mm
Weight *	1.34 kg

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