ComX Computers
Product Specification Sheet

NBLE22AW0014ZA

Lenovo Thinkpad E16 Gen4 Core Ultra 2 V Notebook Ultra 7 258V 4.8GHz 32GB 1TB 16" WUXGA Arc 140V BT 3G Win 11 Pro

Product Overview

Lenovo Thinkpad E16 Gen4 Series Core Ultra Series 2 V NBLE22AW0014ZA Black Notebook, Intel Core Ultra 7 258V Series 2 Eight (8) Core Lunar Lake Turbo Boost up to 4.8Ghz 12MB L3 Cache Processor (4 Perfomance Cores & 4 Low Power Efficient Cores), 32GB LPDDR5 Memory onboard, Supports 32GB Max Mem, No memory slots, 1TB SSD Solid State Hard Drive PCIe, M.2 2280 slot, NO optical drive (No CD), 16" WUXGA (1920 x 1200 resolution) Non Gloss Type IPS, 400nits LED Backlit Display, Intel Arc Graphics 140V, Intel AI Boost 47 TOPS, Wi-Fi 7, 10/100/1000 Gigabit Ethernet LAN, Bluetooth, Built in 4G (LTE), Webcam, 3 Cell Battery, Fingerprint Reader, Backlit Keyboard, Full Size Keyboard with Numpad, 2x USB-A (USB 5Gbps / USB 3.2 Gen 1), , 2x USB-C (Thunderbolt 4 / USB4 40Gbps with USB PD 15-100W / DisplayPort 2.1), HDMI output, Kensington Nano Security Slot, 1.8 kg, Microsoft Windows 11 Professional 64 bit, 3 Year Carry in warranty











1. Smart card reader*	6. 2x Thunderbolt™ 4
2. Nano-SIM card slot*	7. HDMI®
3. USB-A (USB 5Gbps)	8. USB-A (USB 5Gbps), Always On
4. Ethernet (RJ-45)	9. Headphone / microphone combo jack (3.5mm)
5. Kensington Nano Security Slot™	

Notes:
*1. Items with * are only available on selected models*

Specifications

Summary Overview:

Upgrade your workflow with the Lenovo ThinkPad T16 Gen 4, featuring an Intel Core Ultra 7 processor and advanced AI capabilities. This powerful business laptop offers seamless performance for professionals in South Africa who demand reliability and speed.

Equipped with 32GB of high-speed memory and a spacious 1TB SSD, you can handle demanding applications with ease. Stay connected anywhere thanks to built-in 4G LTE and the latest Wi-Fi 7 technology. Secure your data with enterprise-grade security features including a fingerprint reader and Windows Hello facial recognition.

Don't wait to enhance your productivity. Buy now and experience the future of AI-powered computing tailored for South African businesses.

Laptop performance tier: High-End Business

Uses: Business applications, remote work, video conferencing, multitasking, data analysis

Overview:

The Lenovo ThinkPad E16 Gen4 (Part Number NBLE22AW0014ZA) is a robust business notebook engineered for professionals who demand reliability, powerful AI capabilities, and seamless connectivity. Powered by the advanced Intel Core Ultra 7 258V processor featuring Lunar Lake architecture, this machine delivers exceptional performance with eight cores that boost up to 4.8GHz. The combination of 32GB onboard LPDDR5 memory and a rapid 1TB PCIe SSD ensures smooth multitasking for demanding office applications, data analysis, and modern AI workloads.

Designed for productivity on the go, this laptop features a stunning 16-inch WUXGA IPS display with an anti-glare finish that reduces eye strain during long sessions. The screen offers vibrant visuals at 400 nits brightness, making it ideal for use in various lighting conditions. Connectivity is never an issue thanks to built-in 4G LTE support alongside the latest Wi-Fi 7 technology, ensuring you stay productive whether in the office or traveling.

Description

This Lenovo ThinkPad E16 Gen4 model NBLE22AW0014ZA combines high-performance computing with enterprise-grade security. It features an Intel Core Ultra 7 processor with integrated AI Boost for accelerated tasks, a bright and clear 16-inch display, and extensive connectivity options including Thunderbolt 4 ports and built-in LTE. The device includes a full-size backlit keyboard with a numeric keypad, a fingerprint reader for secure access, and Windows 11 Pro pre-installed. With its durable design, long battery life, and comprehensive security features like ThinkShield, this laptop is the ultimate tool for business professionals.

Features:

Performance and Processing

At the heart of this notebook lies the Intel Core Ultra 7 258V processor, part of the new Series 2 lineup. This chip utilizes a hybrid architecture with four performance cores and four low-power efficient cores to optimize speed and battery life simultaneously. The integrated Intel Arc Graphics 140V handles visual tasks efficiently, while the dedicated NPU provides up to 47 TOPS for AI-enhanced workloads.

- Intel Core Ultra 7 258V (Lunar Lake) processor
- Turbo Boost speeds up to 4.8GHz with 12MB L3 Cache
- Hybrid architecture: 4 Performance Cores + 4 Low Power Efficient Cores
- Intel Arc Graphics 140V for smooth visuals
- Intel AI Boost NPU delivering 47 TOPS of performance
- Copilot+ PC ready for advanced AI experiences

Display and Visual Experience

The 16-inch WUXGA screen offers a 1920 x 1200 resolution with a 16:10 aspect ratio, providing more vertical space for documents and spreadsheets. The IPS panel ensures wide viewing angles and accurate colors, while the anti-glare coating minimizes reflections. Brightness reaches 400 nits, ensuring clarity even in bright office environments or near windows.

- 16-inch WUXGA (1920 x 1200) IPS display
- Anti-glare non-glossy finish for reduced eye strain
- 400 nits brightness for excellent visibility
- 16:10 aspect ratio for enhanced productivity

Memory and Storage

This model comes equipped with 32GB of high-speed LPDDR5 memory soldered directly to the motherboard, ensuring maximum bandwidth and efficiency. While the memory is not user-upgradable due to the Lunar Lake design, it provides ample space for heavy multitasking. Data storage is handled by a fast 1TB PCIe NVMe SSD in an M.2 2280 slot, allowing for rapid boot times and quick application launches.

- 32GB LPDDR5 onboard memory (soldered, no upgrade slots)
- 1TB PCIe 4.0 NVMe SSD storage
- M.2 2280 SSD slot support
- No optical drive included for a sleeker design

Connectivity and Ports

Stay connected with the latest wireless standards and a comprehensive array of ports. The laptop includes built-in 4G LTE with eSIM support, Wi-Fi 7, and Bluetooth 5.4. Wired connectivity is handled by Gigabit Ethernet, while video output is supported via HDMI and Thunderbolt 4.

- Built-in 4G LTE (Quectel EM061K-GL) with eSIM
- Wi-Fi 7 (Intel BE201) for ultra-fast wireless speeds
- Gigabit Ethernet LAN (RJ-45)
- Bluetooth 5.4 connectivity
- 2x USB-C ports featuring Thunderbolt 4 and USB4 (up to 40Gbps, supports Power Delivery and DisplayPort 2.1)
- 2x USB-A ports (USB 3.2 Gen 1 / 5Gbps)
- HDMI 2.1 output supporting up to 4K resolution
- Kensington Nano Security Slot for physical security

Security and Collaboration Tools

Business-class security is a priority with this ThinkPad, featuring the ThinkShield platform to protect data from end to end. The power button integrates a fingerprint reader for secure logins, while an IR webcam enables Windows Hello facial recognition. A physical privacy shutter on the camera ensures your video feed remains private when not in use.

- Fingerprint reader integrated into the power button
- IR webcam with Windows Hello support and privacy shutter

- TPM 2.0 security chip for hardware-level protection
- ThinkShield security platform integration
- Dual microphones with AI noise suppression

Design and Ergonomics

Weighing approximately 1.8 kg, this notebook balances portability with durability. The chassis is constructed from PC material reinforced with carbon fiber for strength without added weight. A full-size backlit keyboard includes a numeric keypad, making data entry comfortable for extended periods.

- Weight: approx. 1.8 kg
- Durable design with carbon fiber reinforcement
- Full-size backlit keyboard with numeric keypad
- 3-cell battery for reliable all-day usage
- Elegant black finish

What's in the box

- Lenovo ThinkPad E16 Gen4 Notebook (Model 22AW0014ZA)
- Power adapter (65W USB-C)
- Documentation and Warranty cards
- Built-in battery and chassis components

This device runs Microsoft Windows 11 Professional 64-bit, providing a familiar and secure environment for enterprise users. Whether you are managing complex spreadsheets, attending video conferences, or working remotely with high-speed data access, the Lenovo ThinkPad E16 Gen4 delivers the performance and reliability needed to succeed.

Specifications:

ThinkPad T16 Gen 4 (Intel)	
Model	22AW0014ZA
PERFORMANCE	
Processor	Intel Core Ultra 7 258V, 8C (4P + 4LPE) / 8T, Max Turbo up to 4.8GHz, 12MB Intel Smart Cache
AI PC Category	Copilot+ PC
NPU	Integrated Intel AI Boost, up to 47 TOPS
Graphics	Integrated Intel Arc Graphics 140V
Chipset	Intel SoC Platform
Memory	32GB Soldered LPDDR5X-8533, MoP Memory
Memory Slots	Lunar Lake: memory soldered to systemboard, no slots, dual-channel
Max Memory	Lunar Lake: 32GB soldered memory, not upgradable
Storage	1TB SSD M.2 2280 PCIe 4.0x4 NVMe Opal 2.0
Storage Slot	Models with V or H series processor: one M.2 2280 PCIe 5.0 x4 slot
Max Storage Support	One drive, up to 2TB M.2 2280 SSD
Optical	None
Card Reader	No Card Reader
Audio Chip	High Definition (HD) Audio, Realtek ALC3287 codec
Speakers	Stereo speakers, 2W x2, Dolby Audio
Microphone	2x, 360 degrees

Camera	5.0MP + IR Discrete with Privacy Shutter
Battery	52.5Wh
Power Adapter	65W USB-C (3-pin)
DESIGN	
Display	16" WUXGA (1920x1200) IPS 400nits Anti-glare, 45% NTSC
Touchscreen	None
Screen-to-Body Ratio	87.22%
Pen	Pen Not Supported
Keyboard	Backlit, English (EU)
Dimensions (WxDxH)	359.7 x 250.8 x 11.8/18.14 (front/rear), 23.65 (maximum) mm , 14.16 x 9.87 x 0.46/0.71 (front/rear), 0.93 (maximum) inches
Weight	Starting at 1.79 kg (3.95 lbs)
Case Color	Black
Case Material	PC + 20% CF (Top), PC + 20% CF (Bottom)
SOFTWARE	
Operating System	Windows 11 Pro, English (US) / English (UK)
Bundled Software	Lenovo AI Now
CONNECTIVITY	
WLAN + Bluetooth	Intel Wi-Fi 7 BE201, 802.11be 2x2 + BT5.4
WWAN	Quectel EM061K-GL, 4G LTE CAT6, with Embedded eSIM
SIM Card	No physical SIM card included
Ethernet	100/1000M (RJ-45)
NFC	No NFC
Standard Ports	1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
	1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
	2x USB-C (Thunderbolt 4 / USB4 40Gbps), with USB PD 15-100W and DisplayPort 2.1
	1x HDMI 2.1, up to 4K/60Hz
	1x Headphone / microphone combo jack (3.5mm)
	1x Ethernet (RJ-45)
Optional Ports (configured)	1x Smart Card Reader
	1x Nano-SIM Card Slot
Docking	Various docking solutions supported via Thunderbolt / USB-C. For more compatible docking solutions, please visit Docking for ThinkPad T16 Gen 4 (Intel)
SECURITY & PRIVACY	
ThinkShield	ThinkShield is a comprehensive security solution that encompasses hardware, software, and supply chain components. For more detials, visit here
Security Chip	Discrete TPM 2.0 Enabled
Physical Locks	Kensington Nano Security Slot , 2.5 x 6 mm

Smart Card Reader	Smart Card Reader
Fingerprint Reader	Touch Style, Match-on-Chip, Integrated in Power Button
Other Security	Camera privacy shutter (camera models)
	Ultrasonic Human Presence Detection
	IR camera for Windows Hello (facial recognition)
MANAGEABILITY	
System Management	Non-vPro
ACCESSORIES	
Bundled Accessories	None
CERTIFICATIONS	
Green Certifications	ENERGY STAR 9.0
	EPEAT Gold Registered
	ErP Lot 6/26
	RoHS compliant
	TCO Certified, generation 10
Mil-Spec Test	MIL-STD-810H military test passed
MODEL INFORMATION	
Model	22AW0014ZA
Machine Type	22AW
Region	MEA
Country/Region	South Africa
TopSeller	Yes
EAN / UPC / JAN	199274489953
Announce Date	2026-03-24
End of Support	2032-08-27

FAQ

Can I upgrade the memory on this laptop?

No, this model comes with 32GB LPDDR5X memory that is soldered directly to the motherboard, so it cannot be upgraded or replaced.

Does this notebook support mobile connectivity without Wi-Fi?

Yes, the device features built-in 4G LTE connectivity with eSIM support, allowing you to stay connected on the go even without a Wi-Fi network.

Is the storage drive replaceable or upgradable later?

The laptop includes one M.2 2280 SSD slot which currently holds a 1TB drive; this single slot supports drives up to 2TB, allowing for future upgrades if needed.

What ports are available for connecting external displays and accessories?

You will find two Thunderbolt 4 USB-C ports that support display output, two standard USB-A ports, an HDMI port, a Gigabit Ethernet jack, and a headphone/microphone combo jack.

Does the webcam include privacy protection features?

Yes, the integrated 5MP IR camera includes a physical privacy shutter to ensure you can block the lens when not in use during video calls.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/Buy-Notebooks-Laptops-NBLE22AW0014ZA-Lenovo-Thinkpad-E16-Gen4-Core-Ultra-2-V-Notebook-lp-341968.php

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