ComX Computers
Product Specification Sheet

NBLE22AY002NZABUN

Lenovo Thinkpad E16 Gen3 Core 2 V Notebook Ultra 7 258V 4.8GHz 32GB 512GB 16" WUXGA Arc 140V BT Win 11 Pro

Product Overview

Lenovo Thinkpad E16 Gen3 Series Core Series 2 V NBLE22AY002NZABUN 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, 512GB 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, 300nits LED Backlit Display, Intel Arc Graphics 140V, Intel AI Boost 47 TOPS, 802.11ax Wi-Fi 6, 10/100/1000 Gigabit Ethernet LAN, Bluetooth, Webcam, 3 Cell Battery, Fingerprint Reader, Backlit Keyboard, Full Size Keyboard with Numpad, 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), 1x USB-A (USB 10Gbps / USB 3.2 Gen 2), 1x USB-C Thunderbolt 4 / USB4 40Gbps with USB PD 45-65W / DisplayPort 2.1, HDMI output, Kensington Nano Security Slot, 1.6 kg, Microsoft Windows 11 Professional 64 bit, 3 Year On-site warranty, Backpack











1. USB-A (USB 5Gbps)	5. Thunderbolt™ 4 / USB-C® (USB 20Gbps), PD 3.1 & DP 1.4*
2. Ethernet (RJ-45)	6. Thunderbolt™ 4
3. Kensington Nano Security Slot™	7. USB-A (USB 10Gbps), Always On
4. HDMI®	8. Headphone / microphone combo jack (3.5mm)

Notes:
*1. Items with * are only available on selected models*
2. Port 5 is Thunderbolt™ 4 (models with Lunar Lake) or USB-C® (models with Raptor Lake, Meteor Lake and Arrow Lake)

Specifications

Summary Overview:

Upgrade your workflow with the Lenovo ThinkPad E16 Gen 3, available now in South Africa. This powerful business laptop features the latest Intel Core Ultra 7 processor and a stunning 16-inch WUXGA display, making it perfect for multitasking and creative projects. With built-in AI capabilities and robust security features, you can work efficiently from anywhere.

Don't wait to get your hands on this premium machine. Secure your high-performance device today by buying now and experience seamless productivity with Windows 11 Pro pre-installed.

Laptop performance tier: High-Performance Business

Uses: Office work, data analysis, video conferencing, content creation, AI tasks, programming

Overview:

The Lenovo ThinkPad E16 Gen 3 model NBLE22AY002NZABUN is a robust business laptop designed for professionals who require reliable performance and advanced AI capabilities. Powered by the latest Intel Core Ultra 7 258V processor featuring eight cores, this machine delivers turbo speeds up to 4.8GHz alongside an integrated Intel Arc Graphics 140V solution. This combination ensures smooth handling of multitasking demands, office productivity suites, content creation tasks, and modern AI workloads without compromising on speed or efficiency.

Built with a lightweight aluminium chassis that weighs approximately 1.6 kg, the E16 Gen 3 offers portability for users working in offices or traveling frequently. The system comes equipped with 32GB of high-speed LPDDR5X memory soldered directly to the motherboard and a fast 512GB PCIe Gen4 SSD, providing immediate responsiveness out of the box. Running on Microsoft Windows 11 Professional 64-bit, it includes enterprise-grade security tools and is ready for Copilot+ PC AI-assisted workflows right from the start.

Description

This Lenovo ThinkPad E16 Gen 3 notebook combines powerful performance with modern design to meet the needs of today's mobile professionals. Key benefits include a high-resolution 16-inch WUXGA IPS display that offers extra vertical space for productivity, an integrated Intel AI Boost NPU delivering up to 47 TOPS for enhanced artificial intelligence tasks, and comprehensive security features like a fingerprint reader and IR camera with privacy shutter. The laptop also boasts excellent connectivity with Thunderbolt 4 support, Wi-Fi 6E, and a full suite of ports including HDMI and USB-C, ensuring compatibility with all your peripherals.

Features:

Powerful Performance for Everyday Business

The Intel Core Ultra 7 258V processor is the heart of this machine, featuring eight cores split between four performance cores and four low-power efficient cores. This architecture allows for intelligent resource management, ensuring that demanding

applications run smoothly while maintaining battery efficiency during lighter tasks. The integrated Intel Arc Graphics 140V further enhances visual capabilities, making it suitable for media editing, creative work, and everyday business graphics needs.

The built-in Intel AI Boost NPU delivers up to 47 TOPS of processing power, positioning this laptop as a true Copilot+ PC. This capability accelerates AI-enabled applications and supports next-generation productivity tools that are becoming standard in modern workflows. The system runs on Windows 11 Pro, which provides advanced business management features and security controls essential for professional environments.

Smooth Multitasking and Storage

With 32GB of LPDDR5X memory integrated into the motherboard, this ThinkPad handles multiple applications, large spreadsheets, video conferencing, and complex business software with ease. The soldered design ensures maximum performance and energy efficiency, though it means the memory is not upgradable beyond its factory configuration. Storage is handled by a 512GB PCIe 4.0 NVMe SSD which offers fast boot times, quick file access, and responsive application loading.

The storage drive utilizes an M.2 2280 slot, allowing for potential upgrades in the future if needed. The system supports up to one additional drive with a maximum capacity of 1TB, providing flexibility for users who need more space for documents and business files over time.

Large 16-inch WUXGA IPS Display

The 16-inch display features a WUXGA resolution of 1920 x 1200 pixels with a 16:10 aspect ratio, offering extra vertical screen space that is ideal for productivity tasks like reading documents and managing spreadsheets. The anti-glare finish helps reduce reflections in various lighting conditions, while the 300 nits brightness ensures comfortable viewing even in bright environments.

The display uses an IPS panel with LED backlighting to provide consistent color accuracy and wide viewing angles. It is not a touchscreen model but offers a high screen-to-body ratio of 90.7%, maximizing the usable area within the chassis footprint.

Built for Productivity

The full-size backlit keyboard includes an integrated numeric keypad, making data entry and extended typing sessions more comfortable for business users. A precision touchpad complements the input options, completing the familiar ThinkPad experience that professionals rely on.

Audio quality is enhanced by Dolby Atmos stereo speakers powered by HARMAN technology, delivering clear sound for media consumption and meetings. The system also includes dual microphones with array processing to ensure your voice is heard clearly during online calls.

AI-Ready Windows 11 Pro Laptop

This laptop runs Microsoft Windows 11 Professional 64-bit, offering advanced business management and security tools required in corporate environments. The integration of Lenovo AI Now software alongside the Intel AI Boost technology helps accelerate AI-enabled applications and streamlines everyday workflows for better efficiency.

Reliable Security

Business security is a top priority with multiple layers of protection included. A fingerprint reader integrated into the power button allows for quick and secure login, while a discrete TPM 2.0 security chip provides hardware-level data encryption. The Full HD IR webcam supports Windows Hello facial recognition and includes a physical privacy shutter to prevent unauthorized access.

Additional security measures include a Kensington Nano Security Slot to physically lock the device and the comprehensive ThinkShield security platform which covers hardware, software, and supply chain components. The system also passes MIL-STD-810H military test standards for durability.

Modern Connectivity

The ThinkPad E16 Gen 3 provides a wide range of connectivity options to keep you connected in any environment. This includes Thunderbolt 4 and USB4 ports with Power Delivery up to 65W, allowing you to charge the laptop and connect high-speed peripherals or displays through a single cable.

The port selection also features two USB-A ports for legacy devices, an HDMI 2.1 output supporting up to 4K resolution at 60Hz, a combined headphone/microphone jack, and a Gigabit Ethernet LAN port for stable wired connections. Wireless connectivity is handled by Intel Wi-Fi 6E with Bluetooth 5.3 support.

Key Highlights

- Intel Core Ultra 7 258V 8-core processor with up to 4.8GHz Turbo Boost and Lunar Lake architecture
- Integrated Intel AI Boost NPU delivering up to 47 TOPS for Copilot+ PC readiness
- 32GB LPDDR5X memory soldered to the motherboard for high performance
- 512GB PCIe 4.0 NVMe SSD with M.2 2280 upgrade slot support
- 16-inch WUXGA (1920 x 1200) IPS anti-glare display with 300 nits brightness
- Full-size backlit keyboard with numeric keypad for comfortable typing
- Full HD IR webcam with physical privacy shutter and Windows Hello support
- Fingerprint reader integrated into the power button for secure access
- Thunderbolt 4 and USB4 connectivity with DisplayPort 2.1 support
- Wi-Fi 6E and Gigabit Ethernet for reliable network connections
- Windows 11 Pro operating system with advanced business management tools
- Lightweight aluminium chassis weighing approximately 1.6 kg

What's in the box

- Lenovo ThinkPad E16 Gen 3 Laptop
- Power Adapter (USB-C)
- User Documentation and Warranty Information
- Backpack included with this specific package configuration

Specifications:

ThinkPad E16 Gen 3 (Intel)	
Model	22AY002NZA
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	512GB SSD M.2 2242 PCIe 4.0x4 NVMe Opal 2.0
Storage Slot	Lunar Lake: one M.2 2280 PCIe 4.0 x4 slot
Max Storage Support	Lunar Lake:
	one drive, up to 1TB M.2 2280 SSD
Card Reader	No card reader
Audio Chip	High Definition (HD) Audio, Senary SN6147 codec
Speakers	Stereo speakers, 2W x2, Dolby Atmos , audio by HARMAN
Microphone	2x, Array
Camera	FHD 1080p + IR Hybrid with Privacy Shutter

Battery	48Wh
Power Adapter	65W USB-C (3-pin)
DESIGN	
Display	16" WUXGA (1920x1200) IPS 300nits Anti-glare, 45% NTSC, 60Hz
Touchscreen	None
Screen-to-Body Ratio	90.7%
Pen	Pen Not Supported
Keyboard	Backlit, English (EU)
Dimensions (WxDxH)	356 x 249 x 10.1/17.05 (front/rear), 21.15 (maximum) mm
	14.01 x 9.80 x 0.40/0.67 (front/rear), 0.83 (maximum) inches
Weight	Starting at 1.61 kg (3.55 lbs)
Case Color	Black
Case Material	Aluminium (Top), Aluminium (Bottom)
SOFTWARE	
Operating System	Windows 11 Pro, English (US) / English (UK)
Bundled Software	Lenovo AI Now
CONNECTIVITY	
WLAN + Bluetooth	Intel Wi-Fi 6E AX211, 802.11ax 2x2 + BT5.3
WWAN	WWAN Not Supported
SIM Card	No physical SIM card inbox
Ethernet	100/1000M (RJ-45)
NFC	No NFC
Standard Ports	1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
	1x USB-A (USB 10Gbps / USB 3.2 Gen 2), Always On
	1x USB-C (Thunderbolt 4 / USB4 40Gbps), with USB PD 15-65W 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 USB-C (Thunderbolt 4 / USB4 40Gbps), with USB PD 15-65W and DisplayPort 2.1
Docking	Various docking solutions supported via Thunderbolt / USB-C .
	For more compatible docking solutions, please visit Docking for ThinkPad E16 Gen 3 (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	No Smart Card Reader

Fingerprint Reader	Touch Style, Match-on-Chip, Integrated in Power Button
Other Security	Camera privacy shutter
	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
Other Certifications	TÜV Rheinland Low Blue Light (Software Solution)
MODEL INFORMATION	
Model	22AY002NZA
Machine Type	22AY
Region	MEA
Country/Region	South Africa
TopSeller	Yes
EAN / UPC / JAN	199274036362
Announce Date	2026-01-20
End of Support	2032-08-20

FAQ

Is the memory on this Lenovo ThinkPad E16 Gen 3 upgradeable?

No, the laptop comes with 32GB of LPDDR5X memory that is soldered directly to the motherboard. There are no available memory slots for upgrades, so you will need to select your desired capacity at the time of purchase.

Can I connect external monitors or charge the laptop using a single cable?

Yes, the USB-C port supports Thunderbolt 4 and DisplayPort 2.1, allowing you to connect an external display while simultaneously charging the device via Power Delivery up to 65W.

Does this model include Wi-Fi calling or cellular data connectivity?

No, this laptop does not support WWAN (cellular networks) or have a SIM card slot; it relies on Intel Wi-Fi 6E and Gigabit Ethernet for internet connections.

How is the security protected on this business notebook?

The device includes multiple enterprise-grade security features such as a fingerprint reader integrated into the power button, an IR camera with Windows Hello facial recognition, and a physical privacy shutter to cover the webcam when not in use.

Is the display suitable for working in bright environments?

The 16-inch WUXGA IPS panel features an anti-glare finish and reaches up to 300 nits of brightness, making it readable in

various lighting conditions including offices with strong overhead lights or near windows.

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-NBLE22AY002NZABUN-Lenovo-Thinkpad-E16-Gen3-Core-2-V-Notebook-lp-341969.php

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