ComX Computers
Product Specification Sheet

NBLE22AY002NZA

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 NBLE22AY002NZA 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











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:

The Lenovo ThinkPad E16 Gen 3 is a premium 16-inch business laptop built for professionals who need powerful performance, advanced AI capabilities and dependable security. Powered by the Intel Core Ultra 7 258V processor with 32GB LPDDR5X memory, a fast 512GB PCIe Gen4 SSD and Intel Arc Graphics, it delivers smooth multitasking and responsive performance for demanding workloads. The WUXGA IPS anti-glare display, Windows 11 Pro, Thunderbolt 4 connectivity and fingerprint reader make it an excellent choice for modern business users. Buy now or shop now to upgrade your productivity with a reliable Lenovo laptop in South Africa.

The ThinkPad E series has earned consistently positive reviews for its comfortable keyboard, solid aluminium construction, dependable performance and excellent business-focused features. It is a popular choice among professionals, remote workers, students, software developers, accountants and small business owners looking for a durable laptop that performs well throughout the workday.

Laptop performance tier: Premium Business Performance (High-End AI PC)

Uses: Business productivity, office applications, multitasking, remote work, video conferencing, programming, AI applications, data analysis, spreadsheets, presentations, university studies, web browsing, light content creation

Overview:

The Lenovo ThinkPad E16 Gen 3 22AY002NZA is a business-focused 16-inch laptop built for professionals who need dependable performance, AI-enhanced productivity, and strong security. Powered by the Intel Core Ultra 7 258V processor with integrated Intel Arc Graphics, it is well suited for multitasking, office applications, content creation, and modern AI workloads.

With 32GB LPDDR5X memory, a fast 512GB PCIe Gen4 SSD, and Windows 11 Pro, this ThinkPad delivers a responsive computing experience straight out of the box. Its lightweight aluminium design, high-resolution WUXGA IPS display, and enterprise-grade security make it an excellent choice for business users working in the office or on the move.

Powerful Performance for Everyday Business

The Intel Core Ultra 7 258V processor combines 8 cores with turbo speeds of up to 4.8GHz, delivering smooth performance for demanding workloads, multitasking, and productivity applications. Integrated Intel Arc Graphics 140V provides enhanced graphics performance for creative tasks, media editing, and everyday business use.

The built-in Intel AI Boost NPU delivers up to 47 TOPS, making this Copilot+ PC ready for AI-assisted workflows and next-generation productivity tools.

Features:

Smooth Multitasking

With 32GB of high-speed LPDDR5X memory, the ThinkPad E16 Gen 3 easily handles multiple applications, large spreadsheets, video conferencing, and business software. The memory is integrated into the motherboard for maximum performance and efficiency.

A 512GB PCIe 4.0 NVMe SSD provides fast boot times, quick file access, and responsive application loading while offering plenty of storage for documents and business files.

Large 16-inch WUXGA IPS Display

The 16-inch WUXGA (1920 x 1200) IPS display offers extra vertical screen space with its 16:10 aspect ratio, making it ideal for productivity. The anti-glare finish helps reduce reflections, while 300 nits of brightness delivers comfortable viewing in a range of lighting conditions.

Built for Productivity

The full-size backlit keyboard with integrated numeric keypad makes data entry and extended typing more comfortable. A precision touchpad and responsive keyboard complete the familiar ThinkPad experience.

Dolby Atmos stereo speakers by HARMAN, dual microphones, and a Full HD IR webcam with a privacy shutter provide excellent audio and video quality for online meetings.

AI-Ready Windows 11 Pro Laptop

Windows 11 Pro offers advanced business management and security tools, while Lenovo AI Now and Intel AI Boost help accelerate AI-enabled applications and everyday workflows.

Reliable Security

Business security includes:

- Fingerprint reader integrated into the power button
- TPM 2.0 security chip
- IR camera with Windows Hello facial recognition
- Camera privacy shutter
- Kensington Nano security slot
- ThinkShield security platform

Modern Connectivity

The ThinkPad E16 Gen 3 provides a wide range of connectivity options for business users, including Thunderbolt 4, USB4, USB-C with Power Delivery and DisplayPort 2.1, USB-A ports, HDMI 2.1, Gigabit Ethernet, Wi-Fi 6E, Bluetooth 5.3, and a combined audio jack.

Key Highlights

- Intel Core Ultra 7 258V 8-core processor with up to 4.8GHz Turbo Boost
- Intel AI Boost NPU delivering up to 47 TOPS
- Integrated Intel Arc Graphics 140V
- 32GB LPDDR5X memory
- 512GB PCIe 4.0 NVMe SSD
- 16-inch WUXGA IPS anti-glare display
- Full-size backlit keyboard with numeric keypad
- Full HD IR webcam with privacy shutter
- Fingerprint reader and Windows Hello support
- Thunderbolt 4 and USB4 connectivity
- Wi-Fi 6E and Gigabit Ethernet
- Windows 11 Pro
- Lightweight aluminium chassis weighing approximately 1.6kg

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

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Product Specification Sheet

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

Product Information Online

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

Product page: https://comx-computers.co.za/Buy-Notebooks-Laptops-NBLE22AY002NZA-Lenovo-Thinkpad-lp-338908.php

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