ComX Computers
Product Specification Sheet

22AY002MZA

Lenovo Thinkpad E16 Gen3 Core 2 V Notebook Ultra 7 256V 4.8GHz 16GB 512GB 16" WUXGA Arc 140V BT Win 11 Pro

Product Overview

Lenovo Thinkpad E16 Gen3 Series Core Series 2 V 2AY002MZA Black Notebook, Intel Core Ultra 7 256V Series 2 Eight (8) Core Lunar Lake Turbo Boost up to 4.8Ghz 12MB L3 Cache Processor (4 Perfomance Cores & 8 Efficient Cores & 4 Low Power Efficient Cores), 16GB LPDDR5 Memory onboard, Supports 16GB 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 Gen3 offers a robust computing experience with its Intel Core Ultra 7 processor, 16GB LPDDR5 memory, and 512GB SSD storage. Its 16" WUXGA IPS display delivers clear visuals, while Intel Arc Graphics 140V ensures smooth performance for work and multimedia. Ideal for professionals in South Africa, this laptop lets you buy now and boost your productivity efficiently.

Customers praise this series for its reliable performance, lightweight design, and long-lasting battery. It's especially appreciated by business users, students, and creators who need dependable computing for multitasking, office applications, and light content creation.

Laptop performance tier: High-end ultrabook

Uses: Office productivity, Multimedia editing, Business tasks, Remote work, Light content creation

Overview:

Lenovo ThinkPad E16 Gen 3 Intel Core Ultra 7 Laptop (Model 22AY002MZA)

The Lenovo ThinkPad E16 Gen 3 is a business-focused 16-inch laptop designed for performance, productivity, and modern AI-driven workloads. Built around the Intel Core Ultra 7 256V processor, it delivers strong multitasking capability for office applications, remote work, and professional software environments.

With a large 16-inch WUXGA display, fast SSD storage, and enterprise-grade security tools, this notebook is positioned for users who need reliability in a workstation-style form factor without moving into heavy mobile workstation pricing.

It also integrates Intel AI Boost technology, making it suitable for emerging AI-assisted applications and Copilot-enabled workflows in Windows 11 Pro.

Features:

Performance and AI Processing

Powered by the Intel Core Ultra 7 256V processor, this laptop combines efficiency and performance cores for balanced computing.

- 8-core processor configuration (4 performance cores and 4 efficiency cores)
- Boost clock speeds up to 4.8GHz
- 12MB Intel Smart Cache
- Integrated Intel AI Boost with up to 47 TOPS
- Optimised for AI-assisted productivity and multitasking

This configuration supports demanding business workloads, browser-heavy workflows, and productivity software with consistent responsiveness.

Memory and Storage

The system is designed for fast access speeds and stable multitasking performance.

- 16GB LPDDR5X onboard memory
- High-speed 8533MHz memory configuration
- 512GB PCIe 4.0 NVMe SSD storage
- Single M.2 SSD slot design (no expansion slots for RAM)

Storage performance is suitable for fast boot times, quick application loading, and efficient file handling.

Display Experience

The ThinkPad E16 Gen 3 features a large and clear display suited for productivity tasks and document-heavy workflows.

- 16-inch WUXGA resolution (1920 x 1200)
- IPS panel with anti-glare coating
- 300 nits brightness level
- 60Hz refresh rate
- 16:10 aspect ratio for improved workspace

The screen offers a practical balance between clarity and extended viewing comfort, particularly for office and business use.

Graphics and Visual Performance

- Integrated Intel Arc Graphics 140V
- Suitable for everyday visual workloads, presentations, and light creative tasks
- Hardware acceleration support for modern applications

This configuration is not intended for high-end gaming but handles multimedia and business graphics efficiently.

Design and Build Quality

The ThinkPad E16 Gen 3 follows a professional and durable design approach with a black aluminium chassis.

- Aluminium top and bottom cover
- Starting weight around 1.61 kg
- Slim profile for a 16-inch device
- Full-size keyboard with numeric keypad
- Backlit keyboard for low-light use
- Integrated fingerprint reader in the power button

The design prioritises durability and usability in office and travel environments.

Connectivity and Ports

A wide range of modern and legacy ports is included for business flexibility.

- 2x USB-A ports (5Gbps and 10Gbps)
- 1x USB-C Thunderbolt 4 / USB4 with Power Delivery and DisplayPort support
- HDMI 2.1 output supporting up to 4K resolution
- RJ-45 Gigabit Ethernet port
- 3.5mm audio combo jack
- Wi-Fi 6E and Bluetooth 5.3

This allows direct connection to docking stations, external monitors, and wired networks.

Security and Business Protection

Built with enterprise security features for professional environments.

- TPM 2.0 security chip
- Fingerprint reader with match-on-chip technology

- IR camera with facial recognition support
- Privacy shutter for webcam
- Kensington Nano security slot

These features support secure login and data protection in corporate use.

Battery and Power

- 48Wh internal battery
- 65W USB-C charging adapter
- Optimised for standard workday productivity usage

Battery life is designed for office tasks, meetings, and mobility within a work environment.

Operating System

- Windows 11 Pro preinstalled
- Suitable for business deployment and enterprise management tools

Summary

The Lenovo ThinkPad E16 Gen 3 (22AY002MZA) is a professional 16-inch laptop built for productivity, AI-ready computing, and secure business use. With Intel Core Ultra 7 performance, fast SSD storage, a large IPS display, and strong connectivity options, it is well suited for corporate users, hybrid workers, and business environments requiring reliable day-to-day performance.

Specifications:

ThinkPad E16 Gen 3 (Intel)	
Model	22AY002MZA
PERFORMANCE	
Processor	Intel Core Ultra 7 256V, 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	16GB Soldered LPDDR5X-8533, MoP Memory
Memory Slots	Lunar Lake: memory soldered to systemboard, no slots, dual-channel
Max Memory	Lunar Lake: 16GB 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	None
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 45-65W 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 45-65W and DisplayPort 2.1
Docking	Various docking solutions supported via Thunderbolt or 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	22AY002MZA
Machine Type	22AY
Region	MEA
Country/Region	South Africa
TopSeller	Yes
EAN / UPC / JAN	199274037222
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://www.comx.co.za/Buy-Notebooks-Laptops-22AY002MZA-Lenovo-Thinkpad-E16-Ip-337532.php

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