ComX Computers
Product Specification Sheet

LENOVO E16 22AY002LZA

Lenovo Thinkpad E16 Gen3 Core 2 V Notebook Ultra 7 256V 4.8GHz 16GB 1TB 16" WUXGA Arc 140V BT Win 11 Pro

Product Overview

Lenovo Thinkpad E16 Gen3 Series Core Series 2 V LENOVO E16 22AY002LZA 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, 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, 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 is a high-performance 16-inch laptop designed for productivity and multitasking. Equipped with an Intel Core Ultra 7 processor, 16GB of LPDDR5 memory, and a 1TB SSD, this laptop delivers fast, reliable performance for business and professional users. Its 16-inch WUXGA IPS display offers clear visuals, while Intel Arc Graphics 140V supports enhanced graphics performance. Shop now to experience efficient work and smooth multitasking.

Customers reviewing the ThinkPad E16 Gen3 often highlight its reliability and robust build, making it popular among professionals, office workers, and students who require a durable and powerful machine. Many praise the responsive keyboard and the fast boot times provided by the 1TB SSD, emphasizing its suitability for demanding workloads.

Laptop performance tier: Premium business-class

Uses: Office productivity, content creation, video conferencing, coding, data analysis, multimedia editing

Overview:

Lenovo ThinkPad E16 Gen 3 Intel Core Ultra 7 Business Laptop

The Lenovo ThinkPad E16 Gen 3 is a 16 inch business laptop designed for performance, productivity, and modern AI-assisted computing. Powered by the Intel Core Ultra 7 256V processor, it delivers strong multitasking capability for office work, business applications, and everyday professional use.

With a durable aluminium chassis, a large WUXGA display, and enterprise-grade security tools, this model is positioned as a reliable workstation-style notebook for users who need consistent speed, connectivity, and long-term stability in a work environment.

Features:

Performance for Work and Multitasking

At the core of the system is the Intel Core Ultra 7 256V processor with 8 cores combining performance, efficiency, and low power design. It reaches turbo speeds up to 4.8GHz and includes integrated Intel AI Boost technology for accelerated AI workloads.

The laptop is equipped with 16GB LPDDR5X high-speed memory and a 1TB PCIe Gen 4 NVMe solid state drive, offering fast boot times, smooth application switching, and ample storage for business files and software.

Display and Visual Experience

The 16 inch WUXGA IPS display delivers a 1920 x 1200 resolution with anti-glare coating for improved visibility in bright environments. With 300 nits brightness and a 16:10 aspect ratio, the screen provides extra vertical workspace for documents, spreadsheets, and multitasking.

Integrated Intel Arc Graphics support smooth visual performance for presentations, media playback, and general creative workloads.

Design and Build Quality

Built with aluminium on both top and bottom panels, the ThinkPad E16 Gen 3 maintains a professional and durable construction. It weighs approximately 1.6 kg, making it suitable for mobility while still offering a full-size keyboard experience.

A backlit keyboard with numeric keypad improves productivity for data entry and extended typing sessions. The design remains practical with a focus on usability and business reliability.

Connectivity and Expansion Options

This laptop includes a wide selection of ports to support modern office setups:

- 1x USB-A 5Gbps port
- 1x USB-A 10Gbps port
- 1x USB-C Thunderbolt 4 with charging and display support
- HDMI 2.1 output
- RJ-45 Ethernet port
- 3.5mm audio combo jack

Wireless connectivity is handled by Wi-Fi 6E and Bluetooth 5.3, ensuring stable and fast connections in office and remote environments.

Security and Business Protection

Security is supported through ThinkShield architecture, TPM 2.0 encryption, and biometric authentication options. A fingerprint reader integrated into the power button adds secure and fast login access. The system also includes an IR camera for facial recognition and a physical privacy shutter for the webcam.

A Kensington Nano lock slot provides additional physical security for shared or public environments.

Battery Life and Daily Use

The 48Wh battery is designed for standard working hours depending on workload. A 65W USB-C power adapter supports efficient charging and compatibility with modern docking solutions.

Key Specifications Summary

- Processor: Intel Core Ultra 7 256V, up to 4.8GHz
- Memory: 16GB LPDDR5X onboard
- Storage: 1TB PCIe Gen 4 SSD
- Display: 16 inch WUXGA IPS, 1920 x 1200
- Graphics: Intel Arc Graphics 140V
- Operating System: Windows 11 Pro
- Weight: From 1.6 kg
- Wireless: Wi-Fi 6E, Bluetooth 5.3
- Security: TPM 2.0, fingerprint reader, IR camera

The Lenovo ThinkPad E16 Gen 3 is a strong choice for business users who need a balanced combination of performance, portability, and enterprise security in a modern 16 inch laptop.

Specifications:

ThinkPad E16 Gen 3 (Intel)	
Model	22AY002LZA
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	1TB 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 .
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	22AY002LZA
Machine Type	22AY
Region	MEA
Country/Region	South Africa
TopSeller	Yes
EAN / UPC / JAN	199274036850
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-computers.co.za/Buy-Notebooks-Laptops-LENOVO-E16-22AY002LZA-Lenovo-lp-335931.php

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