ComX Computers
Product Specification Sheet

MJ314ZE/A

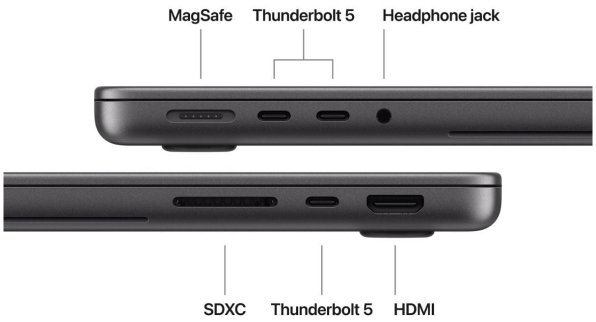
Apple MacBook Pro 16 OLED M5 Notebook Apple M5 Max 18 core 36GB 2TB 16.3" 3472x2266 32-core GPU BT macOS

Product Overview

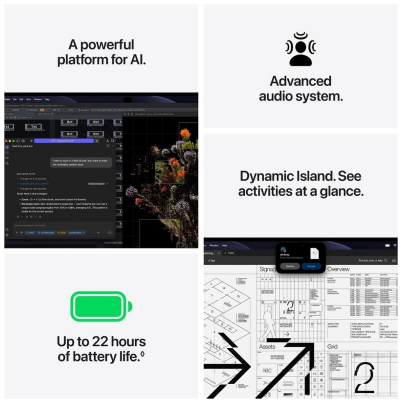
Apple MacBook Pro 16 OLED M5 MJ314ZE/A Space Black Notebook, Apple M5 Max chip 18-core CPU with 6 super cores cores & 12 performance cores & 32-core GPU & 16-core Neural Engine, 36GB unified memory, Supports 36GB Max Mem, No memory slots, 2TB SSD Solid State Hard Drive PCIe, NO optical drive (No CD), 16.3" PROLED XDR (3472 x 2266 resolution) Glossy Type 1000 nits Tandem OLED Backlit Display, 32-core GPU onboard, 16-core Neural Engine, Wi-Fi 7, Bluetooth, Webcam, Backlit Keyboard, 3x Thunderbolt (USB-C) ports (Charging / DisplayPort / Thunderbolt 4&5/ USB 4.0), HDMI output, SDXC card slot, Ambient Light Sensor, 2.2 kg, macOS , 1 Year Carry in warranty











Specifications

Summary Overview:

Experience the pinnacle of portable computing with the new Apple MacBook Pro 16 OLED (Model MJ314ZE/A) in Space Black. Engineered for professionals who demand excellence, this powerhouse features the groundbreaking Apple M5 Max chip and a stunning PROLED XDR display that delivers unmatched brightness and color accuracy. Whether you are editing high-resolution video, developing complex applications, or creating immersive digital art, this machine handles your most demanding workflows with ease.

Sold in South Africa for immediate delivery, this model comes equipped with 36GB of unified memory and a massive 2TB SSD to ensure your projects load instantly. With up to 22 hours of battery life and advanced connectivity including Thunderbolt 5 ports and Wi-Fi 7, you can work from anywhere without compromise. Don't wait for the perfect tool; buy now and elevate your productivity today.

Laptop performance tier: Enterprise/Professional Tier

Uses: Video Editing, Software Development, 3D Rendering, Graphic Design, Music Production, Data Analysis

Overview:

The Apple MacBook Pro 16 OLED (Model MJ314ZE/A) redefines professional computing with its stunning PROLED XDR display, delivering unparalleled brightness, contrast, and color accuracy. Powered by the groundbreaking Apple M5 Max chip, this notebook combines an 18-core CPU, a robust 32-core GPU, and a dedicated 16-core Neural Engine to handle the most demanding creative workflows with ease. Whether you are editing high-resolution video, rendering complex 3D models, or running advanced AI applications, the seamless integration of hardware and macOS ensures lightning-fast performance without compromising on battery life.

Description

The Apple MacBook Pro MJ314ZE/A is engineered for professionals who demand the absolute best. Its 16.3-inch PROLED XDR screen offers a tandem OLED experience with up to 2000 nits of peak brightness and a perfect 10,000,000:1 contrast ratio, making it an ideal portable reference display for filmmakers and designers. The inclusion of Multi-Touch support allows you to interact directly with your content through intuitive gestures like scrolling, pinching, and drawing on the screen itself. Under the hood, the Apple M5 Max chip delivers exceptional speed and efficiency, while 36GB of unified memory ensures smooth multitasking across resource-intensive applications. With Wi-Fi 7 connectivity, a comprehensive array of ports including Thunderbolt 5, and all-day battery life, this laptop is built to keep you productive anywhere.

Features:

Key Performance Highlights

- Apple M5 Max chip with 18-core CPU (6 super cores, 12 performance cores) for blazing speed

- 32-core GPU and 16-core Neural Engine optimized for AI and graphics tasks
- 36GB unified memory providing seamless multitasking capabilities
- 2TB SSD storage with high-speed PCIe transfer rates
- Up to 22 hours of battery life for all-day productivity without a charger

Display Technology and Visuals

- 16.3-inch PROLED XDR display featuring a tandem OLED panel
- Native resolution of 3472 x 2266 pixels at 254 ppi for incredible sharpness
- XDR brightness up to 1000 nits sustained and 2000 nits peak for HDR content
- 10,000,000:1 contrast ratio with support for P3 and Adobe RGB color gamuts
- ProMotion technology with adaptive refresh rates from 10Hz to 120Hz

The visual experience is further enhanced by the advanced audio system, which includes a six-speaker sound setup with force-cancelling woofers that deliver deep bass and rich clarity. Spatial Audio support creates an immersive listening environment, while the studio-quality three-mic array ensures your voice sounds clear during video calls or recordings. The 12MP Center Stage camera automatically frames you perfectly as you move, making it ideal for remote work and content creation.

Connectivity and Expansion

- Three Thunderbolt 5 (USB-C) ports supporting charging, DisplayPort, Thunderbolt 4/5, USB 4.0, and up to 120Gb/s data speeds
- HDMI port for high-definition video output to external displays
- SDXC card slot for fast media transfer from cameras and drones
- Magsafe 3 charging port with support for 94W or higher USB PD power sources
- Apple N1 wireless chip enabling Wi-Fi 7 and Bluetooth 6 connectivity

Built-in security features like FileVault encryption and Touch ID provide robust protection for your data, ensuring that your sensitive information remains safe. The backlit Magic Keyboard includes an ambient light sensor that adjusts the key illumination based on your surroundings, while the Force Touch trackpad offers precise cursor control and pressure-sensitive drawing capabilities. With macOS running in the background, you get access to a vast ecosystem of professional apps optimized for Apple Silicon.

Physical Dimensions and Weight

- Height: 16.0 mm with a sleek Space Black finish
- Width: 355.5 mm and Depth: 244.2 mm for a compact footprint
- Weighs approximately 1.84 kg to 2.2 kg depending on configuration

What's in the box

16-inch MacBook Pro with PROLED XDR Display

USB-C to MagSafe 3 Cable (2 m)

Specifications:

Display glass	Standard Glass
In The Box	16-inch MacBook Pro with PROLED XDR Display
	USB-C to MagSafe 3 Cable (2 m)
Brand	Apple
Year released	2026
SKU	MJ314ZE/A
Screen size	16-inch
Storage	2TB SSD

Model	Apple M5 Max
Memory	36GB unified memory
Processor	Apple M5 Max chip. 18-core CPU with 6 super cores and 12 performance cores 32-core GPU Neural Accelerators Hardware-accelerated ray tracing 16-core Neural Engine 460GB/s memory bandwidth
Display	PROLED XDR display
	16.3-inch (diagonal) tandem OLED display , 3472-by-2266 native resolution at 254 pixels per inch
	XDR (Extreme Dynamic Range)
	10,000,000:1 contrast ratio
	XDR brightness: up to 1000 nits sustained full-screen, 2000 nits peak (HDR content only)
	SDR brightness: up to 1000 nits sustained full-screen, 2000 nits peak (outdoor)
	1 nit minimum brightness
	Color
	1 billion colors
	P3 + Adobe RGB wide color gamuts
	True Tone technology
	Refresh rates
	ProMotion technology with adaptive refresh rates from 10Hz to 120Hz
	Fixed refresh rates: 47.95Hz, 48.00Hz, 50.00Hz, 59.94Hz, 60.00Hz
	Touch
	Multi-Touch gesture support
	Dynamic Island
	Display glass
	Antireflective coating
	Fingerprint-resistant oleophobic coating
Connection and Ports	SDXC card slot
	HDMI port
	3.5 mm headphone jack
	MagSafe 3 port
	Three Thunderbolt 5 (USB-C) ports with support for:
	Charging
	DisplayPort
	Thunderbolt 5 (up to 120Gb/s)
	USB 4 (up to 120Gb/s)
	Genlock5

Camera and Video Support	Camera
	12MP Center Stage camera with support for Desk View
	1080p HD video recording
	Advanced image signal processor with computational video
	Advanced video stabilization
	Video Playback
	Supported formats include HEVC, H.264, AV1, and ProRes
	HDR with Dolby Vision, HDR10+/HDR10, and HLG
Audio	High-fidelity six-speaker sound system with force-cancelling woofers
	Wide stereo sound
	Support for Spatial Audio when playing music or video with Dolby Atmos on built-in speakers
	Spatial Audio with dynamic head tracking when using supported models of AirPods, AirPods Pro, and AirPods Max8
	Studio-quality three-mic array with high signal-to-noise ratio and directional beamforming
	Voice Isolation and Wide Spectrum microphone modes for enhanced voice clarity in audio and video calls
	3.5 mm headphone jack with advanced support for high-impedance headphones
	HDMI port supports multichannel audio output
	Audio Playback
	Supported formats include AAC, MP3, Apple Lossless, FLAC, Dolby Digital, Dolby Digital Plus, and Dolby Atmos
Power and Battery	Up to 22 hours video streaming
	Up to 16 hours wireless web
	100-watt-hour lithium-polymer battery
	Supports charging via a USB-C power adapter or other USB PD power source
	Minimum wattage recommended to charge the device: 94W
	Fast-charge capable with 140W or higher USB PD power source
Keyboard and Trackpad	Backlit Magic Keyboard with:
	78 (ANSI) or 79 (ISO) keys including 12 full-height function keys
	Touch ID
	Ambient light sensor
	Force Touch trackpad for precise cursor control and pressure-sensing capabilities , enables Force clicks, accelerators, pressure-sensitive drawing, and Multi-Touch gestures
Size and Weight	Height: 16.0 mm
	Width: 355.5 mm
	Depth: 244.2 mm
	Weight 1.84 kg

Wireless	Apple N1 wireless networking chip
	Wi-Fi 7 (802.11be)
	Bluetooth 6
	Thread networking technology
Accessibility	Accessibility features help people with disabilities get the most out of their new MacBook Pro with PROLED XDR Display. With built-in support for vision, hearing, mobility, and learning, you can create and do amazing things.
	Features include:
	VoiceOver
	Zoom
	Motion, display, and text settings
	Accessibility Reader
	Voice Control
	Switch Control
	AssistiveTouch
	Touch Accommodations
	Closed Captions
	Live Captions
	Personal Voice and Live Speech

FAQ

Can I upgrade the memory on this MacBook Pro after purchase?

No, this model comes with 36GB of unified memory and does not have any memory slots for upgrades.

How many external displays can this laptop support simultaneously?

With the Apple M5 Max chip included in this unit, you can connect up to four external displays at the same time.

Does the package include a power adapter or just the cable?

The box contains the 16-inch MacBook Pro and a USB-C to MagSafe 3 cable; however, it does not include the power brick itself.

Is this laptop suitable for professional video editing work?

Yes, it features an M5 Max chip with hardware-accelerated ray tracing, supports ProRes formats, and includes a PROLED XDR display for color-accurate filmmaking.

What kind of connectivity ports are available on the side of this notebook?

The device is equipped with three Thunderbolt 5 ports, an HDMI port, an SDXC card slot, a headphone jack, and a MagSafe 3 charging port.

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-MJ314ZE-A-Apple-MacBook-Pro-16-OLED-M5-Notebook-Apple-M5-Max-lp-342028.php

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