ComX Computers
Product Specification Sheet

MMF54ZE/A

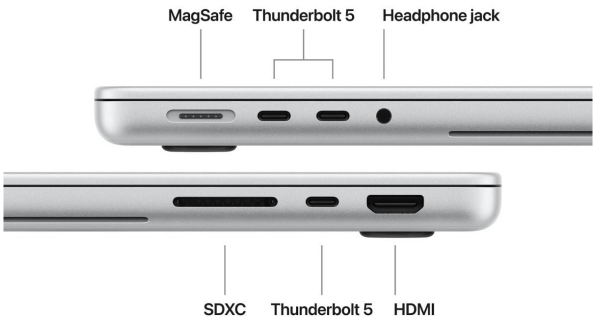
Apple MacBook Pro 14 OLED M5 Notebook Apple M5 Pro 18 core 48GB 1TB 14.2" 3024x1986 20-core GPU BT macOS

Product Overview

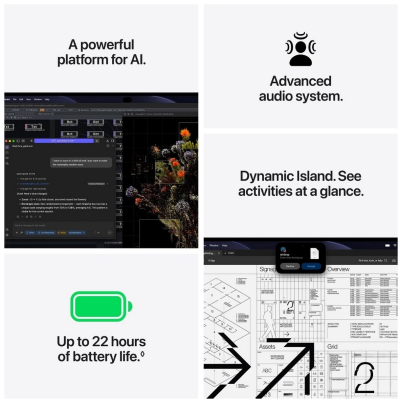
Apple MacBook Pro 14 OLED M5 MMF54ZE/A Silver Notebook, Apple M5 Pro chip 18-core CPU with 6 super cores cores & 12 performance cores & 20-core GPU & 16-core Neural Engine, 48GB unified memory, Supports 48GB Max Mem, No memory slots, 1TB SSD Solid State Hard Drive PCIe, NO optical drive (No CD), 14.2" PROLED XDR (3024 x 1986 resolution) Glossy Type 1000 nits OLED Backlit Display, 20-core GPU onboard, 16-core Neural Engine, 802.11ax Wi-Fi 6, 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, 1.6 kg, macOS , 1 Year Carry in warranty











Specifications

Summary Overview:

Upgrade your creative workflow with the stunning Apple MacBook Pro 14 OLED featuring the powerful M5 Pro chip. This premium Silver Notebook delivers exceptional performance with 48GB unified memory and a vibrant PROLED XDR display, making it the perfect choice for professionals in South Africa who demand the best.

Experience lightning-fast speeds for demanding tasks like video editing, 3D rendering, and AI development. The sleek design includes Thunderbolt 5 ports and an all-day battery life to keep you productive wherever you go. Secure your high-performance machine today by buying now from our store.

Laptop performance tier: Premium Professional

Uses: Video editing, graphic design, software development, AI processing, 3D modeling, scientific research

Overview:

Apple MacBook Pro 14 OLED M5 Review

The 14-inch MacBook Pro with PROLED XDR Display delivers spectacular brightness, contrast and colour, all in the world's best laptop display. This model features Touch capability that lets you scroll, pinch and draw directly onscreen for an intuitive experience. Powered by the superfast Apple M5 Pro chip and powerful AI capabilities, this machine allows professionals to push the limits of their workflows without compromise.

Description

This premium laptop combines cutting-edge OLED technology with the raw power of the Apple M5 Pro silicon. Designed for creators who demand accuracy, the PROLED XDR display offers a tandem OLED panel that reaches up to 2,000 nits peak brightness and delivers a 10,000,000:1 contrast ratio. The device includes 48GB of unified memory and 1TB of SSD storage, ensuring seamless multitasking and rapid file access. With its advanced Neural Engine and support for on-device AI workloads, it serves as an ideal platform for modern creative tasks.

The product is identified by the part number MMF54ZE/A. It comes in a sleek Silver finish and weighs approximately 1.6 kg, making it a portable powerhouse for professionals on the move. The system runs macOS and includes robust security measures like FileVault encryption and Touch ID for secure access.

Features:

Key Features

- PROLED XDR Display with 14.2-inch OLED panel, 3024 x 1986 resolution, up to 2000 nits peak HDR brightness, and 10,000,000:1 contrast ratio

- Apple M5 Pro chip featuring an 18-core CPU (6 super cores & 12 performance cores), 20-core GPU with Neural

Accelerators, and a 16-core Neural Engine

- 48GB unified memory for high-performance multitasking and 1TB SSD storage for ample space
- Advanced connectivity including three Thunderbolt 5 ports, HDMI output, SDXC card slot, MagSafe 3 charging port, and Wi-Fi 7 support
- All-day battery life with up to 22 hours of video streaming capability on a single charge
- 12MP Center Stage camera with 1080p HD video recording and an advanced six-speaker sound system supporting Spatial Audio

Display Technology

The visual experience is defined by the PROLED XDR display, which utilizes a next-generation tandem OLED panel. This screen supports ProMotion technology with adaptive refresh rates ranging from 10Hz to 120Hz for ultra-smooth scrolling and animations. It covers the P3 and Adobe RGB wide color gamuts and displays over one billion colors, making it perfect for professional filmmaking, design work, and scientific research where color accuracy is critical.

Performance and Connectivity

The Apple M5 Pro chip drives this notebook with incredible efficiency. The integrated Neural Engine accelerates AI tasks, while the GPU features enhanced shader cores for graphics-intensive workloads. For connectivity, users are provided with three Thunderbolt 5 ports that support charging, DisplayPort, Thunderbolt 4&5, and USB 4.0 standards at speeds up to 120Gb/s. The device also includes an HDMI port, a headphone jack, and an SDXC card slot for easy media transfer.

Wireless capabilities are handled by the Apple-designed N1 wireless chip, supporting Wi-Fi 7 (802.11be) and Bluetooth 6. This ensures fast data transfer rates and stable connections in crowded environments.

Audio and Camera

Communication and media consumption are enhanced by a high-fidelity six-speaker sound system with force-cancelling woofers that deliver deeper bass and wider stereo sound. The system supports Spatial Audio when playing content with Dolby Atmos. For video calls, the 12MP Center Stage camera keeps you perfectly framed with Desk View support. The microphone array includes Voice Isolation to ensure your voice is clear even in noisy settings.

Design and Usability

The laptop features a Backlit Magic Keyboard with Touch ID for secure authentication and convenient payments. An ambient light sensor adjusts the screen brightness automatically based on the environment. The Force Touch trackpad provides precise cursor control and supports pressure-sensitive drawing and gestures. The device is built to be durable yet lightweight, fitting easily into professional bags.

What's in the box

- 14-inch MacBook Pro with PROLED XDR Display
- USB-C to MagSafe 3 Cable (2 m)

Specifications:

Display glass	Standard Glass
Brand	Apple
Year released	2026
SKU	MMF54ZE/A
Screen size	14-inch
Storage	1TB SSD
Model	Apple M5 Pro
Memory	48GB unified memory
Processor	Apple M5 Pro chip. 18-core CPU with 6 super cores and 12 performance cores 20-core GPU Neural Accelerators Hardware-accelerated ray tracing 16-core Neural Engine 307GB/s memory bandwidth

Display	PROLED XDR display
	14.2-inch (diagonal) tandem OLED display , 3024-by-1986 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,3 2000 nits peak (HDR content only)
	SDR brightness: up to 1000 nits sustained full-screen,3 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
	Nano-texture glass option
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 Max
	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 14 hours wireless web
	72.6-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: 70W
	Fast-charge capable with 96W 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: 15.0 mm
	Width: 310.8 mm
	Depth: 216.3 mm
	Weight 1.38 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 or storage on this MacBook Pro after purchase?

No, the 48GB of unified memory is soldered to the logic board with no available slots for upgrades, and the 1TB SSD is also non-upgradeable.

Does this laptop support external displays or video output?

Yes, it features three Thunderbolt 5 ports and an HDMI port, allowing you to connect up to four external displays depending on your configuration.

How long does the battery last for typical usage like web browsing or watching videos?

The device offers up to 22 hours of video streaming time and up to 14 hours of wireless web browsing on a single charge.

What connectivity standards and ports are included in the box?

It comes equipped with Wi-Fi 7, Bluetooth 6, three Thunderbolt (USB-C) ports for charging and data, an SDXC card slot, HDMI output, MagSafe 3 charging port, and a headphone jack.

Is this model suitable for professional video editing or design work?

Yes, the PROLED XDR display provides high brightness and contrast with P3 and Adobe RGB color gamuts, while the M5 Pro chip handles demanding AI tasks and graphics-intensive workflows efficiently.

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-MMF54ZE-A-Apple-MacBook-Pro-14-OLED-M5-Notebook-Apple-M5-Pro-lp-341998.php

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