ComX Computers
Product Specification Sheet

MHWX4ZE/A

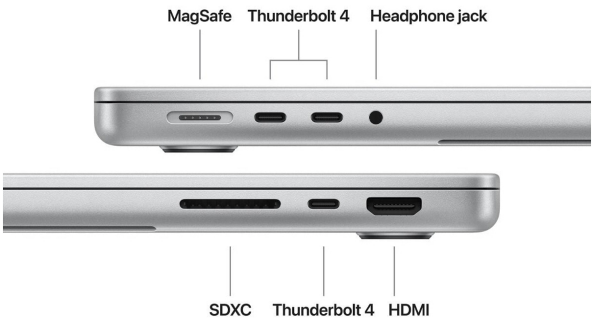
Apple MacBook Pro 14 M6 Notebook M6 12 Core CPU 24GB 1TB 14.2" Retina XDR BT macOS

Product Overview

Apple MacBook Pro 14 M6 MHWX4ZE/A Silver Notebook, Apple M6 chip 12-core CPU with 2 super cores & 4 performace cores & 6 efficiency cores & 12-core GPU & 16-core Neural Engine, 24GB unified memory, Supports 24GB Max Mem, No memory slots, 1TB SSD Solid State Hard Drive PCIe, NO optical drive (No CD), 14.2" Retina XDR (3024 x 1964 resolution) Glossy Type 1000 nits LED Backlit Display, 12-core GPU onboard, 16-core Neural Engine, Wi-Fi 7, Bluetooth, Webcam, Backlit Keyboard, 3x Thunderbolt 4 (USB-C) ports, HDMI output, SDXC card slot, 1.6 kg, macOS , 1 Year Carry in warranty











Specifications

Summary Overview:

Upgrade your workflow with the stunning Apple MacBook Pro 14 M6, now available for purchase in South Africa. This powerful notebook features a breathtaking Liquid Retina XDR display and the revolutionary M6 chip to deliver incredible speed for demanding creative tasks and professional applications.

Experience all-day battery life that keeps you productive whether you are working at home or on the go. With 24GB of unified memory and a fast 1TB SSD, this machine handles heavy multitasking with ease. Shop now to secure your high-performance laptop today.

Laptop performance tier: High-end Professional

Uses: Video editing, software development, graphic design, 3D rendering, AI processing, music production

Overview:

Breathtaking performance meets all-day battery life in the Apple MacBook Pro 14 M6 (Part Number MHWX4ZE/A). Designed for professionals who demand power without compromise, this Silver notebook is powered by the groundbreaking M6 chip. It seamlessly blends raw computational speed with advanced on-device AI capabilities, allowing you to tackle everything from complex video editing to heavy data analysis with ease. The 12-core CPU architecture ensures rapid task execution, while the integrated Neural Engine accelerates machine learning workflows significantly faster than previous generations.

The visual experience is defined by the stunning Liquid Retina XDR display, offering a contrast ratio of 1 million to one and peak brightness that makes HDR content pop with lifelike clarity. Whether you are working outdoors or in a dimly lit studio, the screen adapts to provide sharp details across a billion colors. Combined with macOS, which runs your favorite productivity apps lightning fast, this machine is built to keep up with your most demanding creative and professional workflows.

Description

The 14-inch MacBook Pro with the M6 chip brings incredible speed and powerful on-device AI to personal, professional and creative tasks. With all-day battery life, ultrafast storage and a breathtaking Liquid Retina XDR display, it's pro in every way.

- Built-in Neural Accelerator delivers up to 13x faster AI performance compared to M1
- Dual 16-core Neural Engine powers Apple Intelligence for efficient on-device processing
- Up to 24 hours of battery life allows for a full day of work without charging
- Liquid Retina XDR display features up to 1,600 nits peak brightness and 1,000,000:1 contrast ratio
- Advanced camera system includes a 12MP Center Stage sensor with Desk View support
- Six-speaker sound system with force-cancelling woofers supports Spatial Audio and Dolby Atmos
- Connectivity includes three Thunderbolt 4 ports, HDMI, SDXC slot, and Wi-Fi 7 support

Features:

Why Choose This Notebook

This device is engineered to be your personal think tank for modern workflows. Apple Intelligence is centered around you, integrated directly into your apps to offer more conversational and helpful features via Siri AI. The system handles demanding on-device tasks like processing large language model prompts with incredible power efficiency. You can view and control what's on your iPhone from your Mac, copy content between devices instantly, or answer FaceTime calls directly from the laptop if you are deeply integrated into the Apple ecosystem.

Safety is paramount for this machine. Built-in security protections include FileVault to automatically encrypt files so others cannot access them, and Touch ID uses your fingerprint to authorize payments and sign in securely. The robust antivirus protection combined with free automatic software updates ensures your Mac runs smoothly and stays protected against threats.

Key Performance Specifications

The heart of this machine is the Apple M6 chip, featuring a 12-core CPU composed of 2 super cores, 4 performance cores, and 6 efficiency cores. It also includes a 12-core GPU with hardware-accelerated ray tracing and a dual 16-core Neural Engine for superior graphics and AI performance. With 24GB of unified memory, the system delivers seamless multitasking capabilities, though it supports up to 24GB max memory without user-upgradeable slots.

- CPU: Apple M6 chip with 12-core CPU (2 super cores, 4 performance cores, 6 efficiency cores)
- GPU: 12-core GPU with Neural Accelerators and hardware-accelerated ray tracing
- Memory: 24GB unified memory (supports up to 24GB max, no memory slots for expansion)
- Storage: 1TB SSD solid state hard drive with PCIe interface
- Neural Engine: Dual 16-core Neural Engine for advanced machine learning tasks

Display and Visual Experience

The 14.2-inch Liquid Retina XDR display offers a native resolution of 3024 by 1964 pixels at 254 pixels per inch. It supports XDR (Extreme Dynamic Range) with up to 1,600 nits peak brightness for HDR content and 1,000 nits sustained full-screen brightness. The display covers 1 billion colors in the P3 wide color gamut and includes True Tone technology. ProMotion technology provides adaptive refresh rates up to 120Hz for incredibly smooth scrolling and animation.

- Screen Size: 14.2-inch (diagonal) Liquid Retina XDR
- Resolution: 3024-by-1964 native resolution at 254 pixels per inch
- Brightness: Up to 1,600 nits peak (HDR), 1,000 nits sustained full-screen, 1,000 nits SDR outdoor
- Contrast Ratio: 1,000,000:1
- Color Support: 1 billion colors, P3 wide color gamut, True Tone technology

Connectivity and Ports

This notebook connects it all with a comprehensive array of ports. You will find three Thunderbolt 4 (USB-C) ports that support charging, DisplayPort, Thunderbolt 4 up to 40Gb/s, and USB 4 up to 40Gb/s. Additional connectivity includes an HDMI port for external displays, an SDXC card slot for photographers, a MagSafe 3 port, and a 3.5 mm headphone jack with advanced support for high-impedance headphones.

- Ports: Three Thunderbolt 4 (USB-C), HDMI, SDXC card slot, MagSafe 3, 3.5mm headphone jack
- Wireless Networking: Apple N1 wireless chip supporting Wi-Fi 7 and Bluetooth 6
- External Display Support: Supports up to two external displays with M6 chip
- Charging: Supports USB-C power adapter or other USB PD power sources

Audio, Video, and Camera Systems

Stay perfectly framed and sound great with the advanced hardware suite. The 12MP Center Stage camera features support for Desk View and records video in 1080p HD. The system includes an advanced image signal processor with computational video capabilities. Audio is handled by a high-fidelity six-speaker sound system with force-cancelling woofers, wide stereo sound, and support for Spatial Audio when playing music or video with Dolby Atmos.

- Camera: 12MP Center Stage camera with Desk View support
- Video Recording: 1080p HD with advanced image signal processor

- Audio Playback: Supports AAC, MP3, Apple Lossless, FLAC, Dolby Digital, and Dolby Atmos
- Microphones: Studio-quality three-mic array with Voice Isolation mode

Battery Life and Power Management

The 72.4-watt-hour lithium-polymer battery delivers up to 24 hours of video streaming or up to 16 hours of wireless web browsing. You get the same performance whether you are plugged in or not. The device supports charging via a USB-C power adapter, with a minimum recommended wattage of 60W for general use and fast-charge capabilities when using a 96W or higher USB PD power source.

Keyboard and Trackpad

The Backlit Magic Keyboard includes 78 (ANSI) or 79 (ISO) keys including 12 full-height function keys. It features Touch ID for secure authentication, an ambient light sensor, and a Force Touch trackpad. The trackpad enables precise cursor control, pressure-sensing capabilities, Force clicks, accelerators, pressure-sensitive drawing, and Multi-Touch gestures.

Dimensions and Weight

The laptop is designed to be portable yet durable. It stands 1.55 cm high with a width of 31.26 cm and a depth of 22.12 cm. The total weight is approximately 1.55 kg, making it easy to carry around for professionals on the go.

What's in the Box

Your purchase includes the essential items needed to start using your new machine immediately.

- 14-inch MacBook Pro (Silver)
- USB-C to MagSafe 3 Cable (2 meters)

Specifications:

In The Box	14-inch MacBook Pro
	USB-C to MagSafe 3 Cable (2 m)
Brand	Apple
Year released	2026
SKU	MHWX4ZE/A
Screen size	14-inch
Storage	1TB SSD
Model	Apple M6
Memory	24GB unified memory
Processor	Apple M6 chip. 12-core CPU with 2 super cores, 4 performance cores, and 6 efficiency cores 12-core GPU Neural Accelerators Hardware-accelerated ray tracing Dual 16-core Neural Engine 170GB/s memory bandwidth

Display	Liquid Retina XDR display
	14.2-inch (diagonal) Liquid Retina XDR display , 3024-by-1964 native resolution at 254 pixels per inch
	XDR (Extreme Dynamic Range)
	1,000,000:1 contrast ratio
	XDR brightness: up to 1000 nits sustained full-screen,3 1600 nits peak (HDR content only)
	SDR brightness: up to 1000 nits (outdoor)
	1 nit minimum brightness
	Color
	1 billion colors
	P3 wide color gamut
	True Tone technology
	Refresh rates
	ProMotion technology with adaptive refresh rates up to 120Hz
	Fixed refresh rates: 47.95Hz, 48.00Hz, 50.00Hz, 59.94Hz, 60.00Hz
Connection and Ports	SDXC card slot
	HDMI port
	3.5 mm headphone jack
	MagSafe 3 port
	Three Thunderbolt 4 (USB-C) ports with support for:
	Charging
	DisplayPort
	Thunderbolt 4 (up to 40Gb/s)
	USB 4 (up to 40Gb/s)
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
	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 24 hours video streaming
	Up to 16 hours wireless web
	72.4-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: 60W
	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: 1.55 cm
	Width: 31.26 cm
	Depth: 22.12 cm
	Weight: 1.55 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 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
	Closed Captions
	Live Captions
	Personal Voice and Live Speech

FAQ

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

No, the 24GB of unified memory is integrated into the Apple M6 chip and there are no user-accessible memory slots for upgrades.

How long does the battery last during typical use?

This model offers up to 24 hours of video streaming or up to 16 hours of wireless web browsing, making it suitable for all-day work without needing a charger.

Does this notebook include an optical drive or CD player?

No, this device does not have an internal optical drive; you will need external solutions if you require disc reading capabilities.

What external displays can I connect to this laptop?

The M6 chip supports connecting up to two external displays via the Thunderbolt 4 ports and HDMI output.

Is the storage capacity expandable later on?

No, the 1TB SSD is part of the unified memory architecture and cannot be expanded after purchase, so ensure your initial configuration meets your long-term needs.

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-MHWX4ZE-A-Apple-MacBook-Pro-14-M6-Notebook-M6-12-Core-CPU-24GB-lp-341993.php

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