

Apple MacBook Pro 16.2" M1 Pro, 10-Core CPU, 16-Core GPU, 16GB RAM, 512GB SSD (Late 2021) Space Gray /MK183/

Чип	Apple M1 Pro chip 10-core CPU with 8 performance cores and 2 efficiency cores 16-core GPU 16-core Neural Engine 200GB/s memory bandwidth Media engine Hardware-accelerated H.264, HEVC, ProRes, and ProRes RAW Video decode engine Video encode engine ProRes encode and decode engine
Дэлгэц	Liquid Retina XDR display 16.2-inch (diagonal) Liquid Retina XDR display;1 3024-by-1964 native resolution at 254 pixels per inch XDR (Extreme Dynamic Range) 1,000,000:1 contrast ratio XDR brightness: 1000 nits sustained full-screen, 1600 nits peak2 (HDR content only) SDR brightness: 500 nits Color 1 billion colors Wide color (P3) True Tone technology Refresh rates ProMotion technology for adaptive refresh rates up to 120Hz Fixed refresh rates: 47.95Hz, 48.00Hz, 50.00Hz, 59.94Hz, 60.00Hz Up to 17 hours Apple TV app movie playback Up to 11 hours wireless web 70-watt-hour lithium-polymer battery3
Тэжээл Батарей	67W USB-C Power Adapter (included with M1 Pro with 8-core CPU) 96W USB-C Power Adapter (included with M1 Pro with 10-core CPU or M1 Max, configurable with M1 Pro with 8-core CPU) USB-C to MagSafe 3 Cable Fast-charge capable with 96W USB-C Power Adapter
Холболт	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)
Шуурхай санах ой	16GB unified memory
Багтаамж	512GB SSD

	78 (U.S.) or 79 (ISO) keys including 12 full-height function keys and 4 arrow keys in an inverted-T arrangement
Keyboard and Trackpad	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
	Wi-Fi 802.11ax Wi-Fi 6 wireless networking
Утасгүй холболт	IEEE 802.11a/b/g/n/ac compatible
	Bluetooth Bluetooth 5.0 wireless technology
Камер	1080p FaceTime HD camera Advanced image signal processor with computational video
	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
Аудио	Spatial audio with dynamic head tracking when using AirPods (3rd generation), AirPods Pro, and AirPods Max Studio-quality three-mic array with high signal-to-noise ratio and directional beamforming 3.5 mm headphone jack with advanced support for high-impedance headphones
	Simultaneously supports full native resolution on the built-in display at 1 billion colors and: Up to two external displays with up to 6K resolution at 60Hz at over a billion colors (M1 Pro) or Up to three external displays with up to 6K resolution and one external display with up to 4K resolution at 60Hz at over a billion colors (M1 Max)
Дэмжих дэлгэц	Thunderbolt 4 digital video output Native DisplayPort output over USB-C VGA, HDMI, DVI, and Thunderbolt 2 output supported using adapters (sold separately) HDMI digital video output Support for one display with up to 4K resolution at 60Hz DVI output using HDMI to DVI Adapter (sold separately)
Бичлэг тоглуулах	Supported formats include HEVC, H.264, and ProRes HDR with Dolby Vision, HDR10, and HLG
Аудио тоглуулах	Supported formats include AAC, MP3, Apple Lossless, FLAC, Dolby Digital, Dolby Digital Plus, and Dolby Atmos
	Line voltage: 100V to 240V AC Frequency: 50Hz to 60Hz
Ажиллах нөхцөл	Operating temperature: 50° to 95° F (10° to 35° C) Storage temperature: -13° to 113° F (-25° to 45° C) Relative humidity: 0% to 90% noncondensing Operating altitude: tested up to 10,000 feet Maximum storage altitude: 15,000 feet Maximum shipping altitude: 35,000 feet
Хэмжээ	Height 0.61 inch (1.55 cm) Width: 12.31 inches (31.26 cm) Depth: 8.71 inches (22.12 cm) Weight: 3.5 pounds (1.6 kg)

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Хайрцаг дотор

16.2-inch MacBook Pro

67W USB-C Power Adapter (M1 Pro with 8-core CPU) or 96W USB-C Power Adapter (M1 Pro with 10-core CPU or M1 Max)

USB-C to MagSafe 3 Cable (2 m)