

دەتەرگە سەرئە (ANNEX 1)

QTY: 01	
<u>DESCRIPTION / MINIMUM SPECIFICATIONS</u>	
<u>Macbook PRO</u>	
Display	<p>Liquid Retina XDR display 16.2-inch (diagonal) Liquid Retina XDR display;¹ 3456-by-2234 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: 600 nits</p> <p>Color 1 billion colors Wide color (P3) True Tone technology</p> <p>Refresh rates ProMotion technology for adaptive refresh rates up to 120Hz Fixed refresh rates: 47.95Hz, 48.00Hz, 50.00Hz, 59.94Hz, 60.00Hz</p>
Memory	36GB unified memory or above
Battery and Power	<p>Up to 22 hours Apple TV app movie playback Up to 15 hours wireless web 100-watt-hour lithium-polymer battery³ 140W USB-C Power Adapter USB-C to MagSafe 3 Cable Fast-charge capable with included 140W USB-C Power Adapter</p>
Processor	M3 Pro with 12-core CPU or above
GPU	18 Core GPU
Storage	512GB SSD or above

Charging and Expansion	<p>SDXC card slot HDMI port 3.5 mm headphone jack MagSafe 3 port <u>Three Thunderbolt 4 (USB-C) ports with support for:</u> Charging DisplayPort Thunderbolt 4 (up to 40Gb/s) USB 4 (up to 40Gb/s)</p>
Display Support	<p><u>Simultaneously supports full native resolution on the built-in display at 1 billion colors and:</u> Up to two external displays with up to 6K resolution at 60Hz at over a billion colors (M3 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 (M3 Max). <u>Thunderbolt 4 digital video output</u> Native DisplayPort output over USB-C <u>HDMI digital video output</u> Support for one display with up to 4K resolution at 60Hz</p>
Video Playback	<p>Supported formats include HEVC, H.264, and ProRes HDR with Dolby Vision, HDR10, and HLG</p>
Audio Playback	<p>Supported formats include AAC, MP3, Apple Lossless, FLAC, Dolby Digital, Dolby Digital Plus, and Dolby Atmos</p>
Keyboard and Trackpad	<p><u>Backlit Magic Keyboard with:</u> 78 (U.S.) or 79 (ISO) keys including 12 full-height function keys and 4 arrow keys in an Inverted-T arrangement 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</p>
Wireless	<p><u>Wi-Fi</u> 802.11ax Wi-Fi 6 wireless networking IEEE 802.11a/b/g/n/ac compatible <u>Bluetooth</u> Bluetooth 5.0 wireless technology</p>
Camera	<p>1080p FaceTime HD camera Advanced image signal processor with computational video</p>

