

SPECIFICATIONS



Apple MacBook Pro (Late 2024) Apple M4 Pro 24GB RAM, 512GB SSD 16.2 Inch Liquid Retina XDR Display Space Black Laptop

Regular Price 346,120

Special Price 319,000

ID: 33.03.005.423

General

Brand	Apple
Laptop Series	MacBook Pro
Model	Apple MacBook Pro (Late 2024)
Part No	MX2X3xx/A

Processor

Processor Brand	Apple
Processor Type.	Apple M4
Generation	M Series
Processor Model	Apple M4 Pro
Processor Core	14
Performance-Cores	10
Efficient-Cores	4
NPU	Yes
Neural Processing Unit (NPU)	Apple Neural Engine
NPU TOPS	38

Memory

RAM	24GB
Installed RAM Details	1 x 24GB Non-Removable
RAM Type	Unmentioned
Total RAM Slot	No
Empty/Expansion RAM Slot	No
Max. RAM Support	24GB

IDB BHABAN - DHAKA 123/5 BCS Computer City, IDB Bhaban, Dhaka 1207, Tel +88 0960 444 2121 **BANANI - DHAKA** 41 Kamal Ataturk Avenue, Banani, Dhaka 1213, Tel +88 017 55 513 933 **UTTARA - DHAKA** 36 Sonargaon Janapath, Sector 9, Dhaka 1230, Tel +88 017 55 513 930 **MULTIPLAN CENTRE-1, DHAKA** Ground Floor, Shop 141, Multiplan Centre, Dhaka 1205, Tel +88 017 55 513 971 **MULTIPLAN CENTRE-2, DHAKA** Level 4, Shop 401, Multiplan Centre, Dhaka 1205, Tel +88 017 55 513 981 **MULTIPLAN CENTRE-3, DHAKA** Level 4, Shop 430, Multiplan Centre, Dhaka 1205, Tel +88 017 55 554 947 **Shantinagar - DHAKA** Level 4, Shop 441, Eastern Plus, Dhaka 1217, Tel +88 017 55 513 984 **Agrabad - Chattogram** 472 Sheikh Mujib Road, Chowmuhani, Chattogram, Tel +88 017 55 554 930 **GEC Circle - Chattogram** 428 Yunusco City Center, Chattogram, Tel +88 017 55 513 953 **RAJSHAHI Jamal Super Market** 96 Saheb Bazar, Tel +88 017 55 513 961 **Bogura** 845/936 College Road, Kalitola, Tel +88 017 55 513 948 **Khulna Naushin Tower** 11 KDA Avenue, Tel +88 017 55 554 923 **RANGPUR** 624 Asha Centre, GL Roy Road, Tel +88 017 555 13 941 **Barishal** 125 Sadar Road, Kakolimor, Tel +88 017 55 513 945 **MYMENSINGH** 11 C.K Ghosh Road, Tel +88 017 55 513 954

Ryans reserves right to change information including price any time.

Storage

Storage	512GB SSD
Installed HDD Type	No HDD
HDD RPM	No HDD
HDD Expansion Slot	No
Installed SSD Type	NVMe PCIe
M.2/SSD Expansion Slot	No
Storage Upgrade	Installed SSD Can Not Be Replaced

Graphics

Graphics Chipset	Apple 20-core GPU
Graphics Memory Accessibility	Integrated
Graphics Memory	Shared
Graphics Memory Type	Not Applicable

Display

Display Size (Inch)	16.2
Display Type	Liquid Retina XDR Display
Display Resolution	3456x2234
Display Surface	Glossy
Touch Screen	No
Display Refresh Rate	120 Hz
Brightness	1600nits
Display Features	1000nits / cd/m2 (Sustained in SDR Mode), Contrast Ratio: 1,000,000:1, Variable Refresh Technology: Apple ProMotion
Secondary Screen Size	No Secondary Screen

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Secondary Screen Technology	No Secondary Screen
Secondary Screen Resolution	No Secondary Screen

Ports & Slots

Optical Drive	No
Multimedia Card Slot	1
Supported Multimedia Card	SD/SDHC/SDXC
USB 2 Port	No
USB 3 Port	No
USB C / Thunderbolt Port	3 x Thunderbolt 5
HDMI Port	1
Micro HDMI Port	No
Mini HDMI Port	No
Display Port	No
Mini DP Port	No
VGA/D-Sub	No
Headphone Port	Combo
Microphone Port	Combo
Security Lock Slot	No

Network & Connectivity

LAN	No
WiFi	Wi-Fi 6E (802.11ax) with MU-MIMO Support
Bluetooth	Bluetooth 5.3

Audio & Camera

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Audio Properties	Built-In Speakers 6 and Subwoofer, Built-In Microphones 3
Speaker	Yes
Microphone.	Yes
WebCam	FHD WebCam

Keyboard

Keyboard Layout	Built-In Chiclet-Style Keyboard with Backlight
Keyboard Back-lit	Yes
RGB Keyboard	No
Num Key pad	No
Pointing Device	Force Touch Trackpad
Dedicated Navigation key	No

Security

Finger Print Sensor	Yes
TPM	No

Software

Operating System	macOS
Licensed Application	No

Physical Description

Device Lighting	No
Color	Space Black
Dimensions	355.85 x 248.15 x 16.76mm
Weight (Kg)	2.1 kg
Package Content	Apple 16 inch Macbook Pro, USB-C to MagSafe 3 Cable, 140W USB-C Power Adapter.

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