



MacBook Pro

Presenter Name

Title

Date











8-core CPU

10-core GPU

100GB/s memory bandwidth

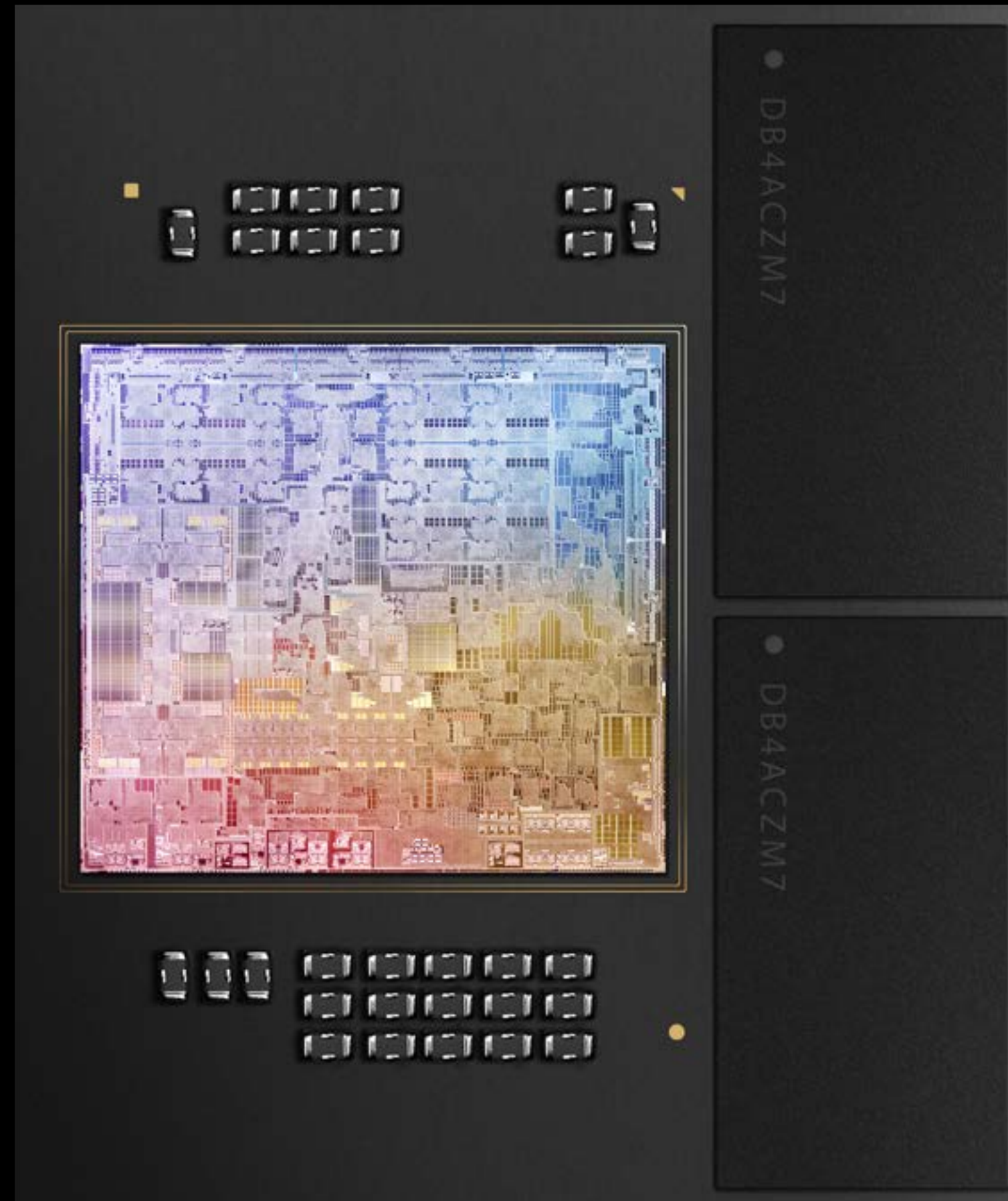
16-core Neural Engine

Media engine with ProRes
encode and decode

Second-generation
5 nanometer process technology

20 billion transistors

Integrates multiple
discrete chips



Unified memory architecture

Advanced chip
packaging process

Up to 24GB of high-
performance memory

Up to

24GB

unified memory

zoom.us Meeting View Edit Window Help Tue Jan 17 9:41 AM

Sensory Garden

Home Insert Page Layout Formulas Data Review View Acrobat Share

Clipboard Font Alignment Number Conditional Formatting Format as Table Cell Styles

T1

A B C D E F G

1 Vitasphere

2 Sensory Garden

3 Plant Inventory

4 v2.0.1 / Updated May 2022

5

6

7

8

9

10

11 A - 01

12 Caladium

13 Ref #0017

14

15

16

17 A hardy, sweet-smelling flower,

18 the bluebell does wonders for

19 biodiversity in your garden,

20 attracting important pollinators.

21

22 A - 02

23

24

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28

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31

Plant Inventory +

Ready

Zoom Meeting 40-Minutes

View

Mute Stop Video Security Participants Chat Share Screen Record Reactions Apps End

GARD

Grand Opening Saturday June 11

An immersive experience celebrating the potential of a life lived in harmony with the natural world. Across five rooms designed by artist and landscape architect Alex Evans, we invite you to pause your day-to-day and activate your senses.

A project made possible by our community gardens

29.93% [Basic] (working) No errors

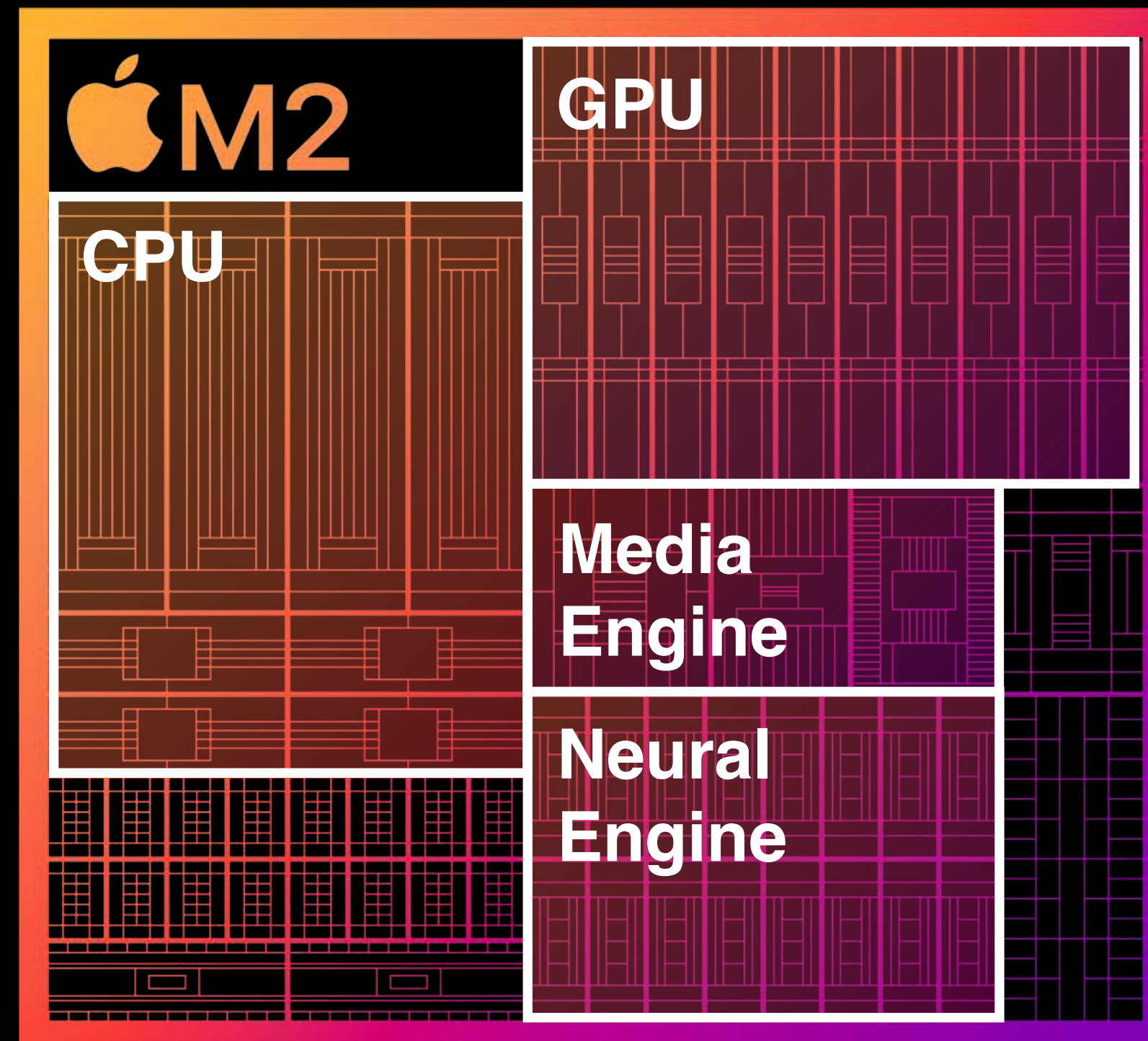
MacBook Pro

8-core CPU

4 high-performance cores
4 high-efficiency cores

16-core Neural Engine

15.8 trillion operations/second



10-core GPU

Larger L2 cache

3.6 teraflops

111 gigatexels/second

55 gigapixels/second

Media engine

8K H.264 and HEVC

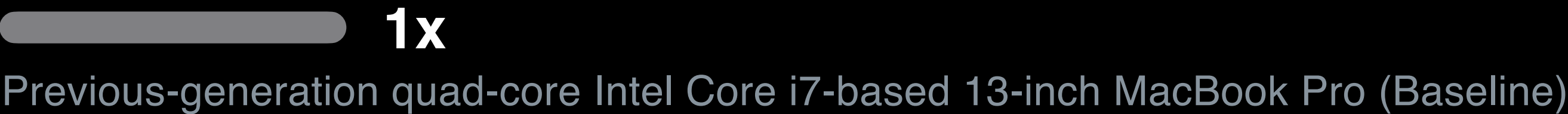
encode and decode



13-inch MacBook Pro performance

Affinity Photo

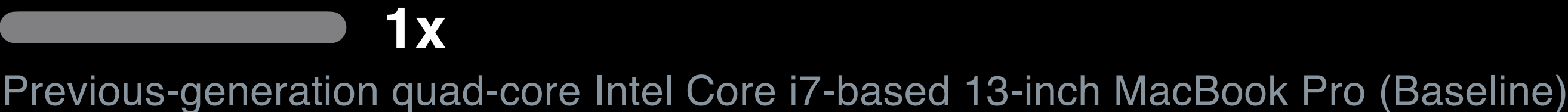
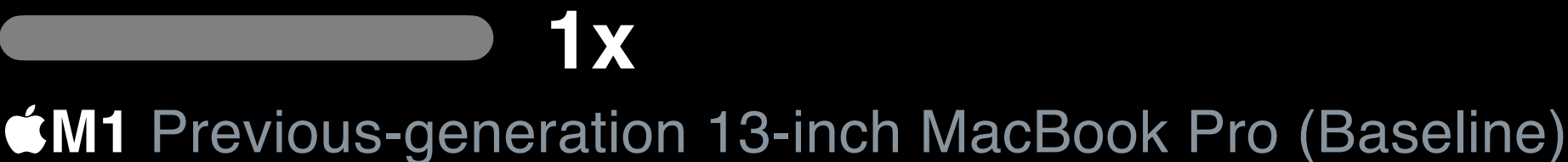
Faster image processing performance



Testing conducted by Apple in May 2022 using preproduction 13-inch MacBook Pro systems with Apple M2, 8-core CPU, 10-core GPU, and 24GB of RAM, and production 13-inch MacBook Pro systems with Apple M1, 8-core CPU, 8-core GPU, and 16GB of RAM, all configured with 2TB SSD, as well as production 1.7GHz quad-core Intel Core i7-based 13-inch MacBook Pro systems with Intel Iris Plus Graphics 645, 16GB of RAM, and 2TB SSD. Tested with prerelease Affinity Photo 1.10.5 using the built-in benchmark version 11021. Performance tests are conducted using specific computer systems and reflect the approximate performance of MacBook Pro.

Final Cut Pro

Faster video editing performance



Testing conducted by Apple in May 2022 using preproduction 13-inch MacBook Pro systems with Apple M2, 8-core CPU, 10-core GPU, and 24GB of RAM, and production 13-inch MacBook Pro systems with Apple M1, 8-core CPU, 8-core GPU, and 16GB of RAM, all configured with 2TB SSD, as well as production 1.7GHz quad-core Intel Core i7-based 13-inch MacBook Pro systems with Intel Iris Plus Graphics 645, 16GB of RAM, and 2TB SSD. Final Cut Pro 10.6.2 tested using a complex 2-minute project with 4K ProRes 422 media. Performance tests are conducted using specific computer systems and reflect the approximate performance of MacBook Pro.

Nearly

3x

faster ProRes transcode

Testing conducted by Apple in May 2022 using preproduction 13-inch MacBook Pro systems with Apple M2, 8-core CPU, 10-core GPU, and 24GB of RAM, as well as production 13-inch MacBook Pro systems with Apple M1, 8-core CPU, 8-core GPU, and 16GB of RAM, all configured with 2TB SSD. Final Cut Pro 10.6.2 tested using a 55-second clip with 4K Apple ProRes RAW media, at 4096x2160 resolution and 59.94 frames per second, transcoded to Apple ProRes 422. Performance tests are conducted using specific computer systems and reflect the approximate performance of MacBook Pro.

8K 23.98p, Stereo

Theater Performance

35%View



01:00:18:11

Index

Theater Performance 44:19

01:00:00:0001:00:05:0001:00:10:0001:00:15:0001:00:20:0001:00:25:0001:00:30:0001:00:35:0001:00:40:00

Guard House

Equine Castle

King

Queen

Grand Hall

Equine Dancing

Audience Observe

Guests

Clap

Standing Ovation

Kingdom Drone

Main Credits

Enter a World

Castle Noise

Wind Swoosh

Glass Clinking

Metal Rattle

Wood Creaking

Guests Chatting

Distant Party

Party Music

Band Playing

Guests Clapping

Birds Chirping

Trees Rustling

Chairs Moving

Woosh

Wind Blowing

MacBook Pro

13-inch MacBook Pro Battery Life



Up to 20 hours of
Apple TV app video playback

Testing conducted by Apple in May 2022 using preproduction 13-inch MacBook Pro systems with Apple M2, 8-core CPU, 10-core GPU, 8GB of RAM, and 256GB SSD. The Apple TV app movie playback test measures battery life by playing back HD 1080p content with display brightness set to 8 clicks from bottom. Battery life varies by use and configuration. See apple.com/batteries for more information.



13-inch Retina display

2560x1600

4.1 million pixels

500 nits brightness

P3 wide color

True Tone technology



Studio quality
three-mic array





Magic Keyboard



13.6 inch



40Gbps bandwidth
10Gbps USB 3.1 Gen 2
DisplayPort 1.2



Power



DisplayPort



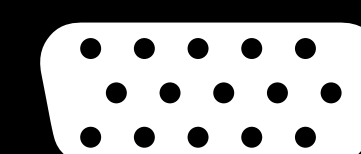
USB



Thunderbolt



HDMI

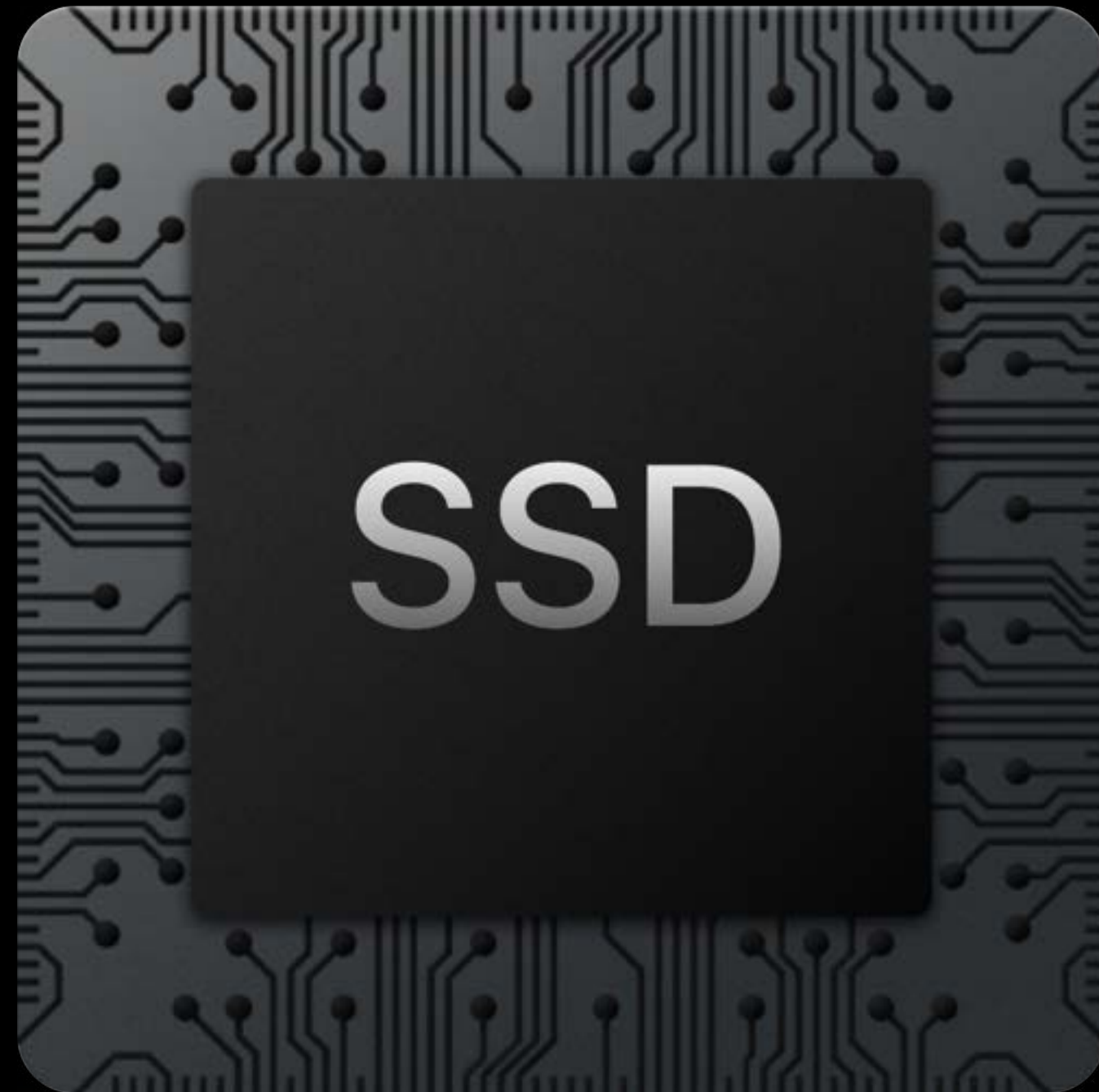


VGA



Wi-Fi 6

up to 1.2Gb/s throughput



256GB SSD or 512GB SSD

Configurable up to 2TB



13-inch Retina display

Apple M2 chip

Up to 24GB unified memory

Up to 2TB SSD

Great camera ISP performance

Studio-quality mics

Wi-Fi 6

Up to 20 hours of battery life

1GB = 1 billion bytes and 1TB = 1 trillion bytes; actual formatted capacity less. Testing conducted by Apple in May 2022 using preproduction 13-inch MacBook Pro systems with Apple M2, 8-core CPU, 10-core GPU, 8GB of RAM, and 256GB SSD. The wireless web test measures battery life by wirelessly browsing 25 popular websites with display brightness set to 8 clicks from bottom. The Apple TV app movie playback test measures battery life by playing back HD 1080p content with display brightness set to 8 clicks from bottom. Battery life varies by use and configuration. See apple.com/batteries for more information.



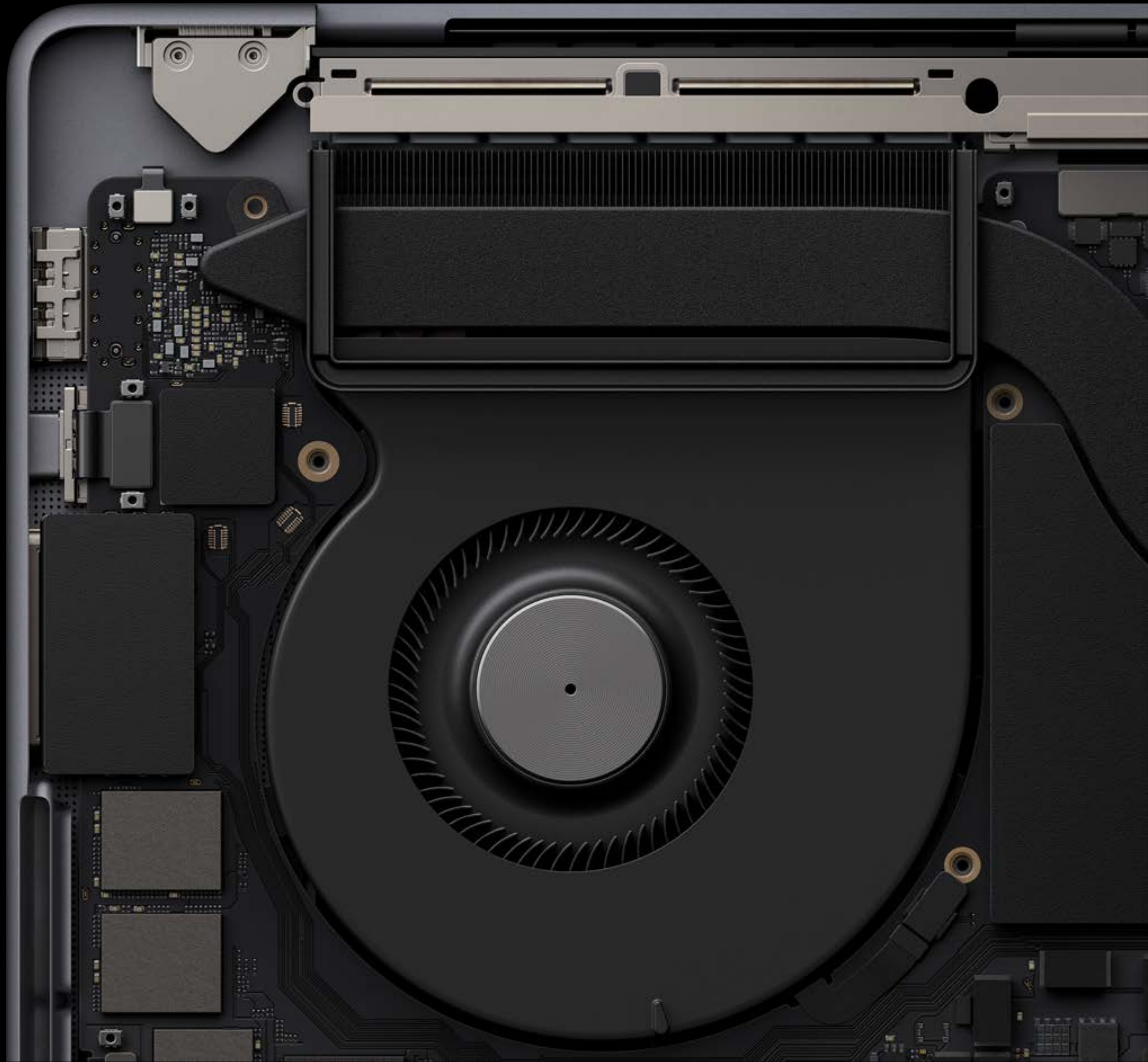


13.5 inch



14.8 mm

Advanced
thermal system



Liquid Retina XDR



Liquid Retina XDR display

1000 nits sustained brightness

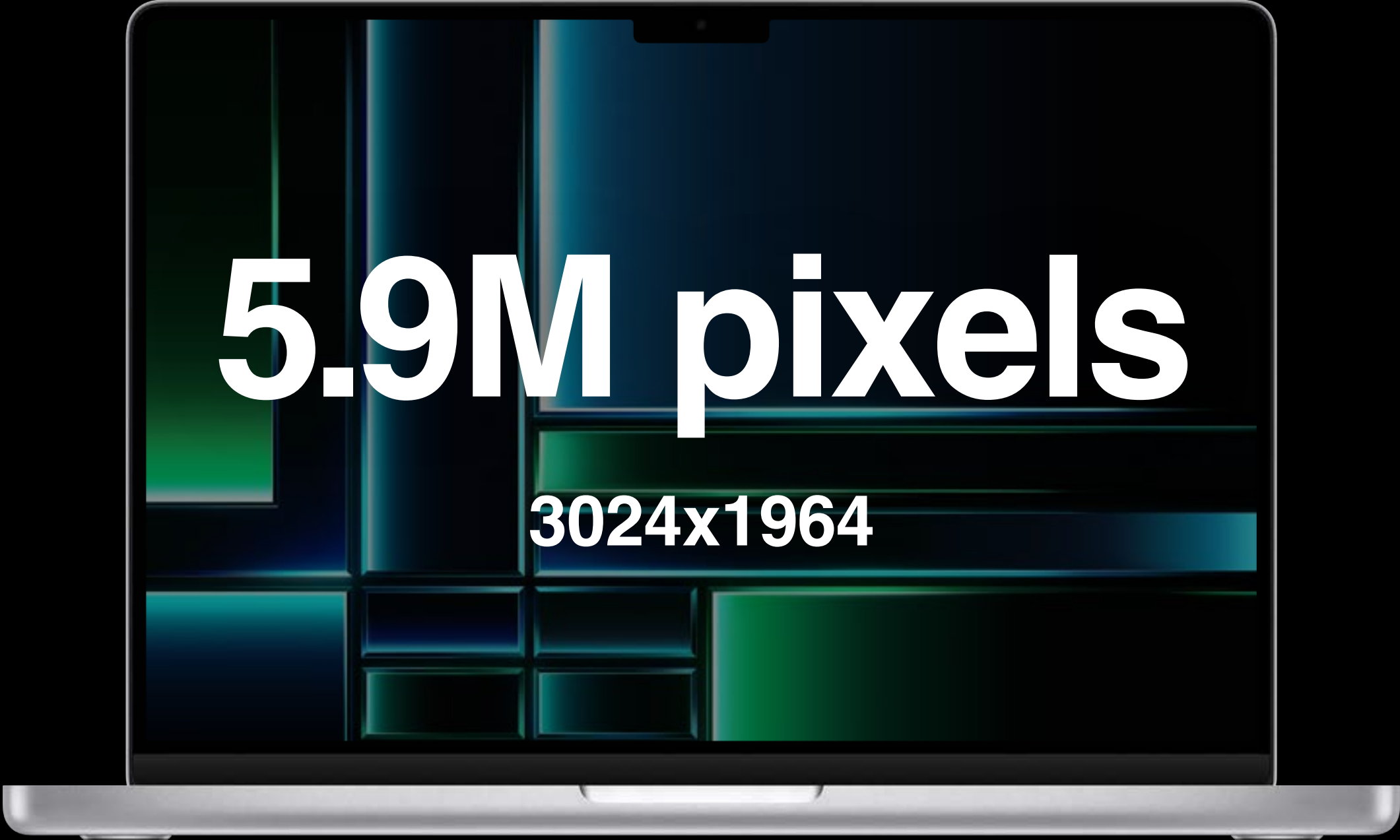
Up to 1600 nits of peak brightness

P3 wide color

1 billion colors

ProMotion

The display on the 14-inch MacBook Pro has rounded corners at the top. When measured as a standard rectangular shape, the screen is 14.2 inches diagonally (actual viewable area is less). The display on the 16-inch MacBook Pro has rounded corners at the top. When measured as a standard rectangular shape, the screen is 16.2 inches diagonally (actual viewable area is less).



5.9M pixels

3024x1964



7.7M pixels

3456x2234



Apple M2
PRO

The logo for the Apple M2 Pro chip. It features a white Apple logo to the left of the text "M2" in a large, white, sans-serif font. Below "M2", the word "PRO" is written in a smaller, blue, sans-serif font. The entire logo is centered within a dark gray square.

Apple M2
MAX

The logo for the Apple M2 Max chip. It features a white Apple logo to the left of the text "M2" in a large, white, sans-serif font. Below "M2", the word "MAX" is written in a smaller, purple, sans-serif font. The entire logo is centered within a dark gray square.



Up to 12-core CPU

Up to 19-core GPU

Up to 32GB unified memory

200GB/s of memory bandwidth

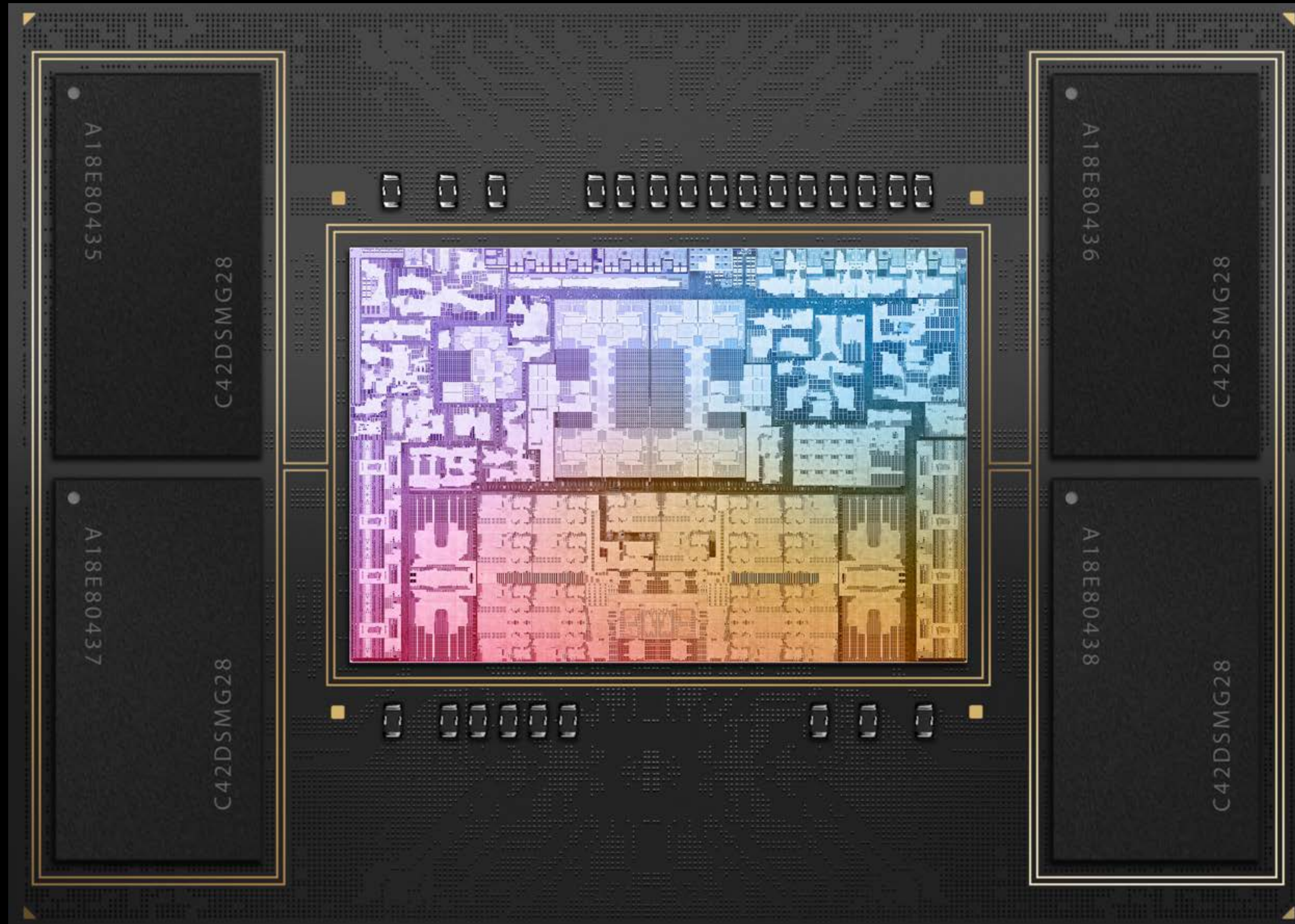
Faster 16-core Neural Engine

Media engine with ProRes
encode and decode engine

5 nanometer
process
technology

40 billion
transistors

Integrates
multiple
discrete chips



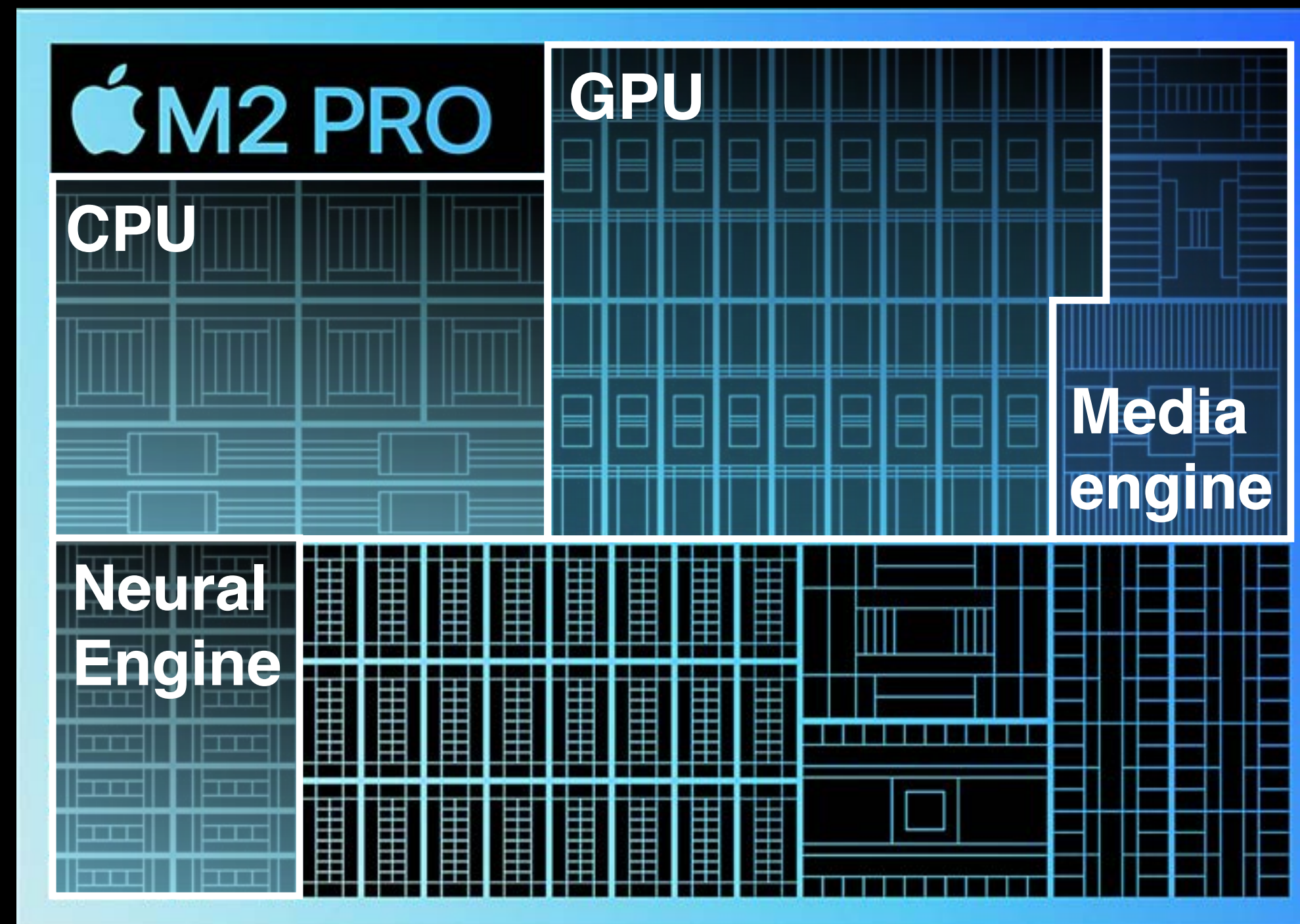
Unified memory
architecture

Advanced chip
packaging process

Up to 32GB of high-
performance
memory

Up to 12-core CPU
8 high-performance cores
4 high-efficiency cores

16-core Neural Engine
15.8 trillion
operations/second



Up to 19-core GPU
6.8 teraflops
212 gigatexels/second
106 gigapixels/second

Media engine
Hardware-accelerated
H.264, HEVC, ProRes,
and ProRes RAW

ProRes



Custom technologies

Secure Enclave

Image signal processor (ISP)

Low-power video playback

Thunderbolt/USB 4 controller



12-core CPU

Up to 38-core GPU

400GB/s of memory bandwidth

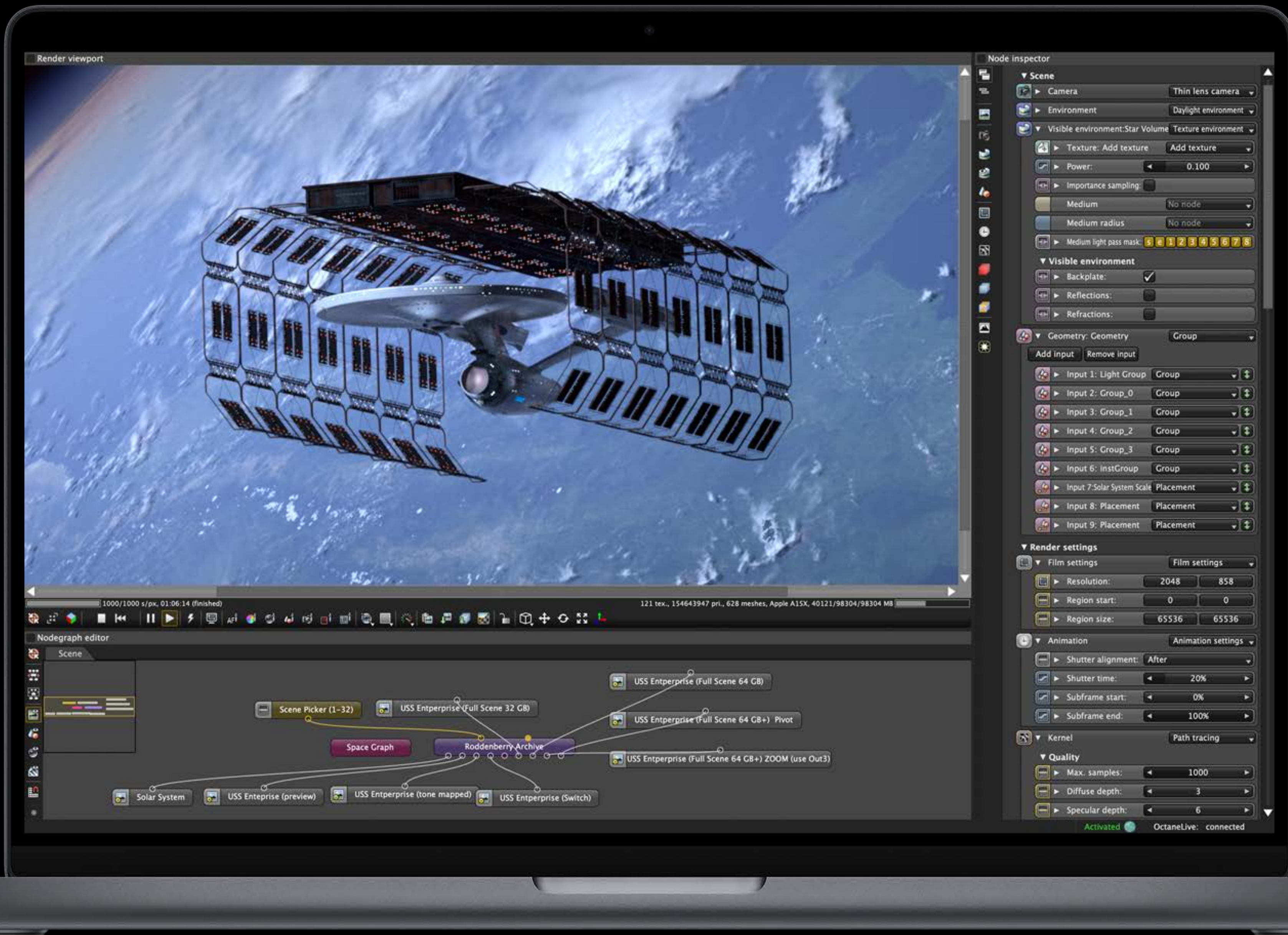
Faster 16-core Neural Engine

Enhanced media engine
with ProRes encode and
decode engines

Up to

96GB

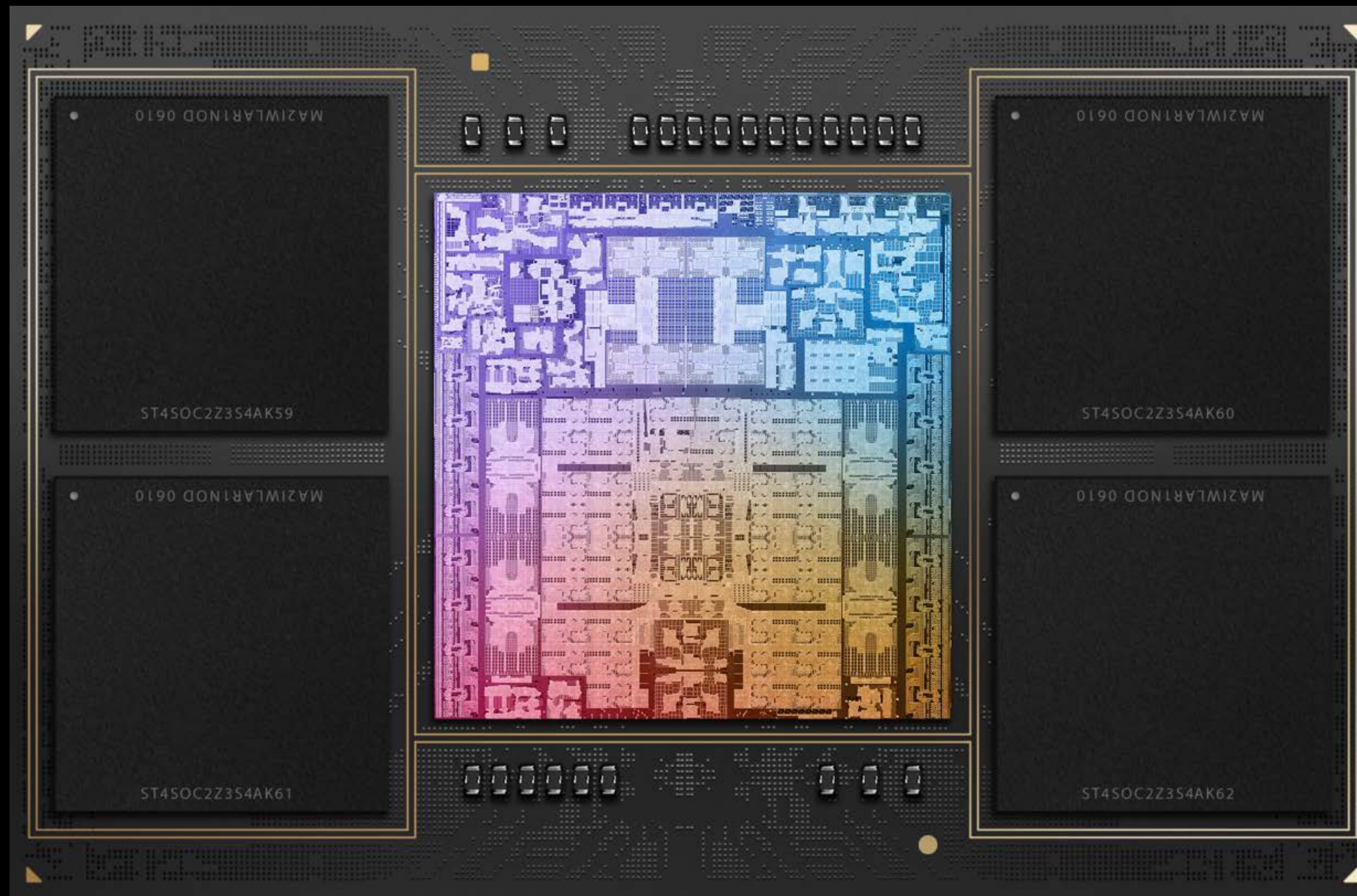
unified memory



5 nanometer
process
technology

67 billion
transistors

Integrates
multiple
discrete chips



Unified memory
architecture

Advanced chip
packaging
process

Up to 96GB of
high-performance
memory

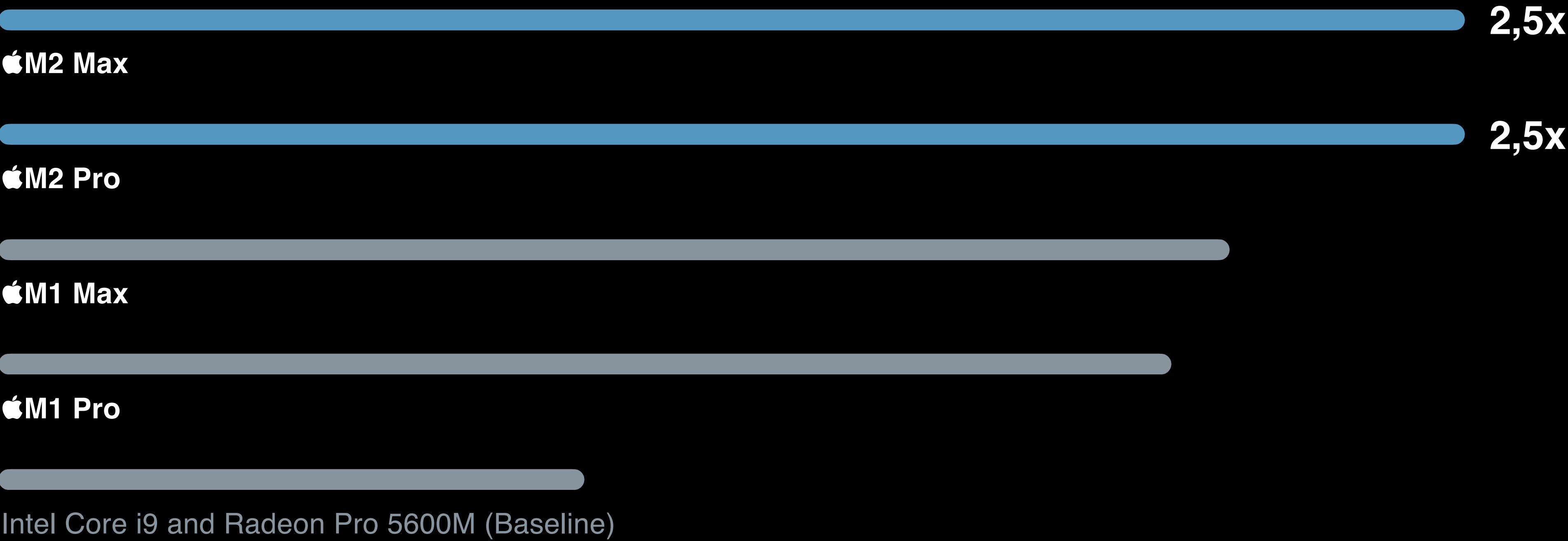


14-inch and 16-inch MacBook Pro performance

Code Compiling

Faster project build performance in Xcode

16-inch model

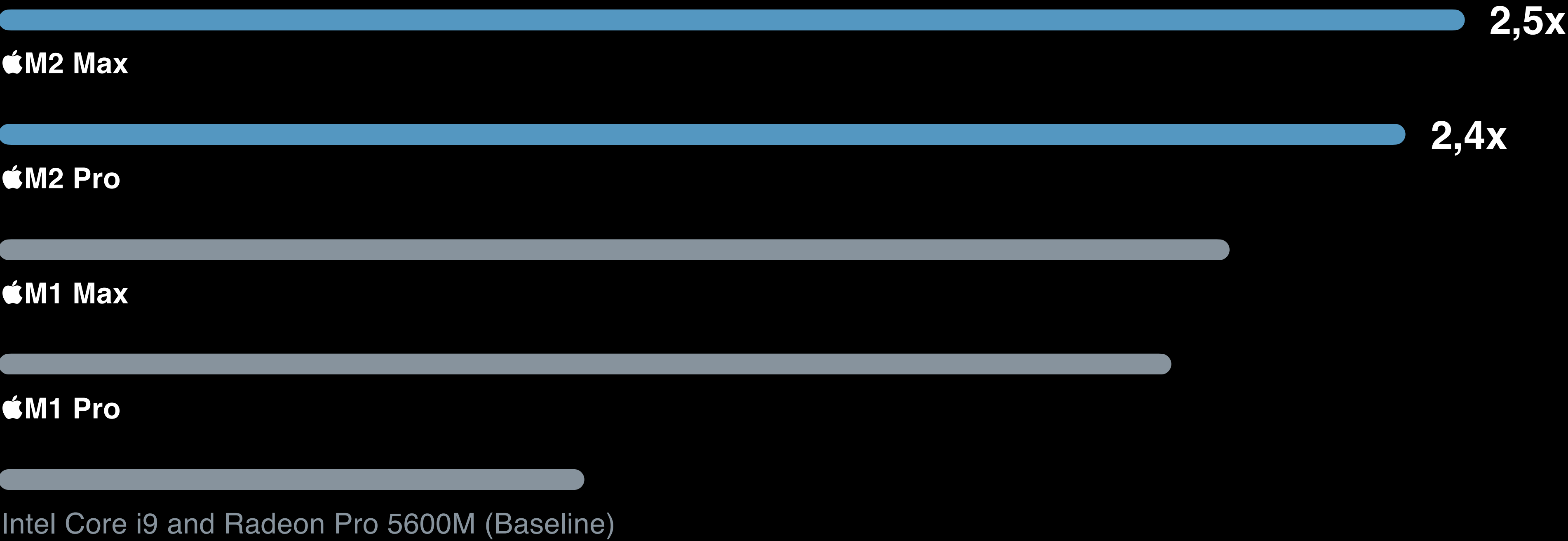


Testing conducted by Apple in November and December 2022 using preproduction 16-inch MacBook Pro systems with Apple M2 Max, 12-core CPU, 38-core GPU, and 96GB of RAM, preproduction 16-inch MacBook Pro systems with Apple M2 Pro, 12-core CPU, 19-core GPU, and 32GB of RAM, production 16-inch MacBook Pro systems with Apple M1 Max, 10-core CPU, 32-core GPU, and 64GB of RAM, and production 16-inch MacBook Pro systems with Apple M1 Pro, 10-core CPU, 16-core GPU, and 32GB of RAM, as well as production 2.4GHz 8-core Intel Core i9-based 16-inch MacBook Pro systems with Radeon Pro 5600M graphics with 8GB of HBM2 and 64GB of RAM, all configured with 8TB SSD. Open source project built with prerelease Xcode 14.2 with Apple Clang 14.0.0, Ninja 1.10.0.git, and CMake 3.25.0-rc2. Performance tests are conducted using specific computer systems and reflect the approximate performance of MacBook Pro.

Photo Editing

Faster filter and function ML performance in Photoshop

16-inch model

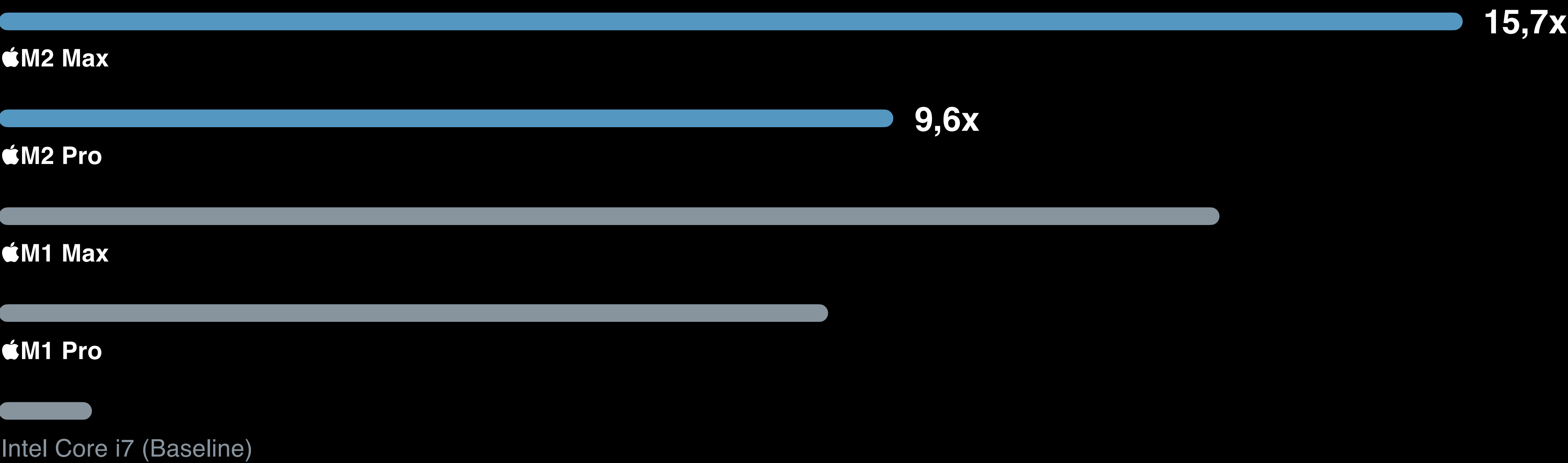


Testing conducted by Apple in November and December 2022 using preproduction 16-inch MacBook Pro systems with Apple M2 Max, 12-core CPU, 38-core GPU, and 96GB of RAM, preproduction 16-inch MacBook Pro systems with Apple M2 Pro, 12-core CPU, 19-core GPU, and 32GB of RAM, production 16-inch MacBook Pro systems with Apple M1 Max, 10-core CPU, 32-core GPU, and 64GB of RAM, and production 16-inch MacBook Pro systems with Apple M1 Pro, 10-core CPU, 16-core GPU, and 32GB of RAM, as well as production 2.4GHz 8-core Intel Core i9-based 16-inch MacBook Pro systems with Radeon Pro 5600M graphics with 8GB of HBM2 and 64GB of RAM, all configured with 8TB SSD. Adobe Photoshop 24.0.0 tested using the following filters and functions: select subject, JPEG artifacts removal, super zoom, skin smoothing and colorize. Performance tests are conducted using specific computer systems and reflect the approximate performance of MacBook Pro.

Video Editing

Faster object tracking performance in Final Cut Pro

14-inch model



Testing conducted by Apple in November and December 2022 using preproduction 14-inch MacBook Pro systems with Apple M2 Max, 12-core CPU, 38-core GPU, and 96GB of RAM, preproduction 14-inch MacBook Pro systems with Apple M2 Pro, 12-core CPU, 19-core GPU, and 32GB of RAM, production 14-inch MacBook Pro systems with Apple M1 Max, 10-core CPU, 32-core GPU, and 64GB of RAM, and production 14-inch MacBook Pro systems with Apple M1 Pro, 10-core CPU, 16-core GPU, and 32GB of RAM, all configured with 8TB SSD; as well as production 2.3GHz quad-core Intel Core i7-based 13-inch MacBook Pro systems with Intel Iris Plus Graphics, 32GB of RAM, and 4TB SSD. Final Cut Pro 10.6.5 tested using an 18-second project with 8K ProRes 422 media, at 8192x4320 resolution and 23.98 frames per second. Performance tests are conducted using specific computer systems and reflect the approximate performance of MacBook Pro.

10x

faster ML performance

Testing conducted by Apple in November and December 2022 using preproduction 14-inch MacBook Pro systems with Apple M2 Max, 12-core CPU, 38-core GPU, and 96GB of RAM, preproduction 14-inch MacBook Pro systems with Apple M2 Pro, 12-core CPU, 19-core GPU, and 32GB of RAM, production 14-inch MacBook Pro systems with Apple M1 Max, 10-core CPU, 32-core GPU, and 64GB of RAM, and production 14-inch MacBook Pro systems with Apple M1 Pro, 10-core CPU, 16-core GPU, and 32GB of RAM, all configured with 8TB SSD; as well as production 2.3GHz quad-core Intel Core i7-based 13-inch MacBook Pro systems with Intel Iris Plus Graphics, 32GB of RAM, and 4TB SSD. Final Cut Pro 10.6.5 tested using an 18-second project with 8K ProRes 422 media, at 8192x4320 resolution and 23.98 frames per second. Performance tests are conducted using specific computer systems and reflect the approximate performance of MacBook Pro.

43

streams of 4K ProRes 422

Testing conducted by Apple in November and December 2022 using preproduction 16-inch MacBook Pro systems with Apple M2 Max, 12-core CPU, 38-core GPU, 96GB of RAM, and 8TB SSD. Final Cut Pro 10.6.5 tested using a 1-minute picture-in-picture project with 10 streams of Apple ProRes 422 video at 8192x4320 resolution and 30 frames per second, as well as a 1-minute picture-in-picture project with 43 streams of Apple ProRes 422 video at 3840x2160 resolution and 29.97 frames per second. Performance tests are conducted using specific computer systems and reflect the approximate performance of MacBook Pro.

10

streams of 8K ProRes 422

Testing conducted by Apple in November and December 2022 using preproduction 16-inch MacBook Pro systems with Apple M2 Max, 12-core CPU, 38-core GPU, 96GB of RAM, and 8TB SSD. Final Cut Pro 10.6.5 tested using a 1-minute picture-in-picture project with 10 streams of Apple ProRes 422 video at 8192x4320 resolution and 30 frames per second, as well as a 1-minute picture-in-picture project with 43 streams of Apple ProRes 422 video at 3840x2160 resolution and 29.97 frames per second. Performance tests are conducted using specific computer systems and reflect the approximate performance of MacBook Pro.

14-inch and 16-inch MacBook Pro Battery Life



Up to 18 hours of
video playback



Up to 22 hours of
video playback

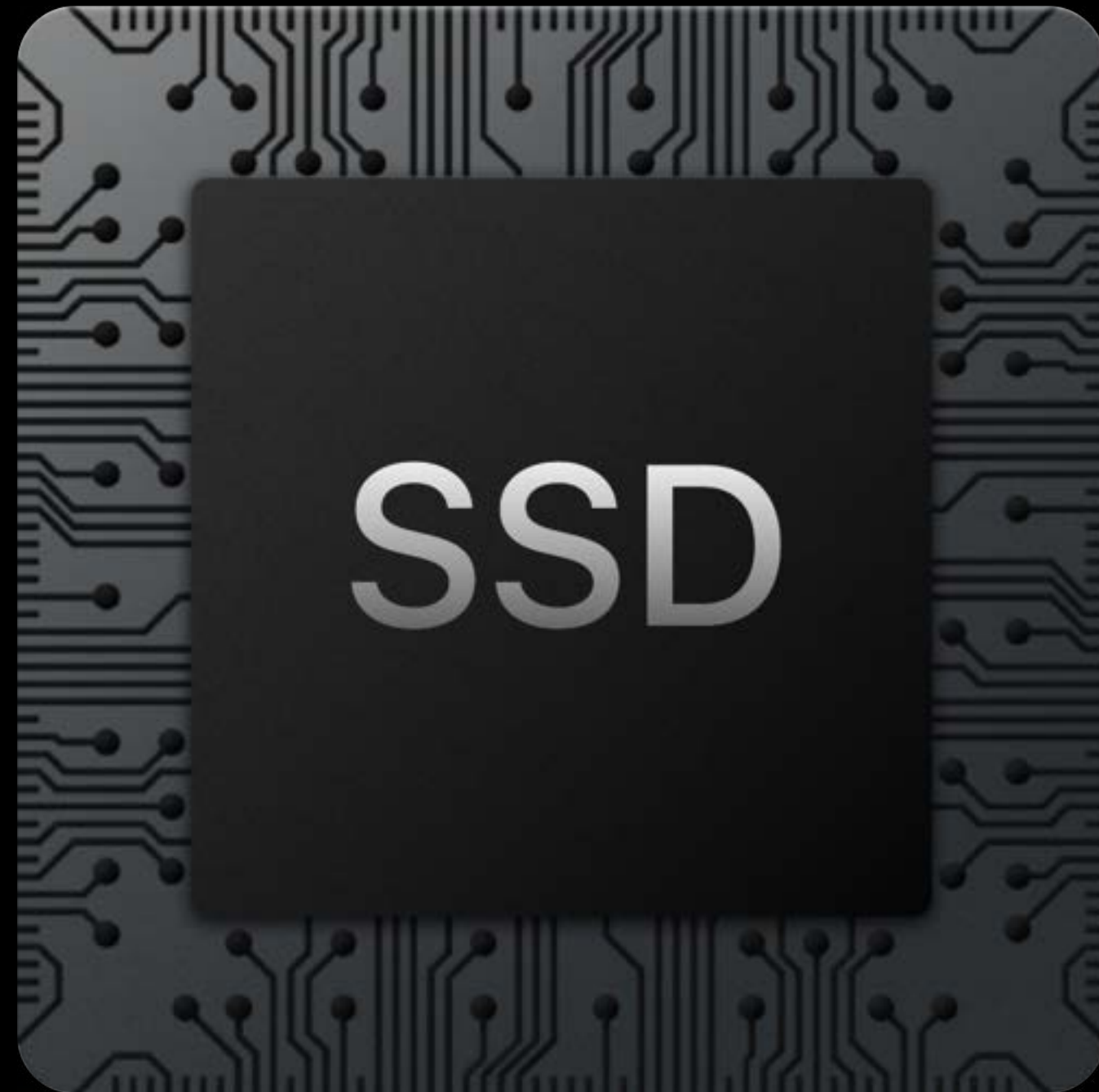
Testing conducted by Apple in November and December 2022 using preproduction 14-inch MacBook Pro systems with Apple M2 Pro, 12-core CPU, 19-core GPU, 16GB of RAM, and 1TB SSD. The wireless web test measures battery life by wirelessly browsing 25 popular websites with display brightness set to 8 clicks from bottom. The Apple TV app movie playback test measures battery life by playing back HD 1080p content with display brightness set to 8 clicks from bottom. Battery life varies by use and configuration. See apple.com/batteries for more information.

Testing conducted by Apple in November and December 2022 using preproduction 16-inch MacBook Pro systems with Apple M2 Pro, 12-core CPU, 19-core GPU, 16GB of RAM, and 1TB SSD. The wireless web test measures battery life by wirelessly browsing 25 popular websites with display brightness set to 8 clicks from bottom. The Apple TV app movie playback test measures battery life by playing back HD 1080p content with display brightness set to 8 clicks from bottom. Battery life varies by use and configuration. See apple.com/batteries for more information.



Up to 50% in 30 minutes

Testing conducted by Apple in November and December 2022 using preproduction 16-inch MacBook Pro systems with Apple M2 Pro, 12-core CPU, 19-core GPU, 16GB of RAM, and 1TB SSD, and preproduction 14-inch MacBook Pro systems with Apple M2 Pro, 12-core CPU, 19-core GPU, 16GB of RAM, and 1TB SSD. 16-inch MacBook Pro systems tested with Apple 140W USB-C Power Adapter (Model A2452), and 14-inch MacBook Pro systems tested with Apple 96W USB-C Power Adapter (Model A2166), both with USB-C to MagSafe 3 Cable (Model A2363). Fast-charge testing conducted with drained MacBook Pro units. Charge time varies with settings and environmental factors; actual results will vary.



512GB SSD or 1TB SSD

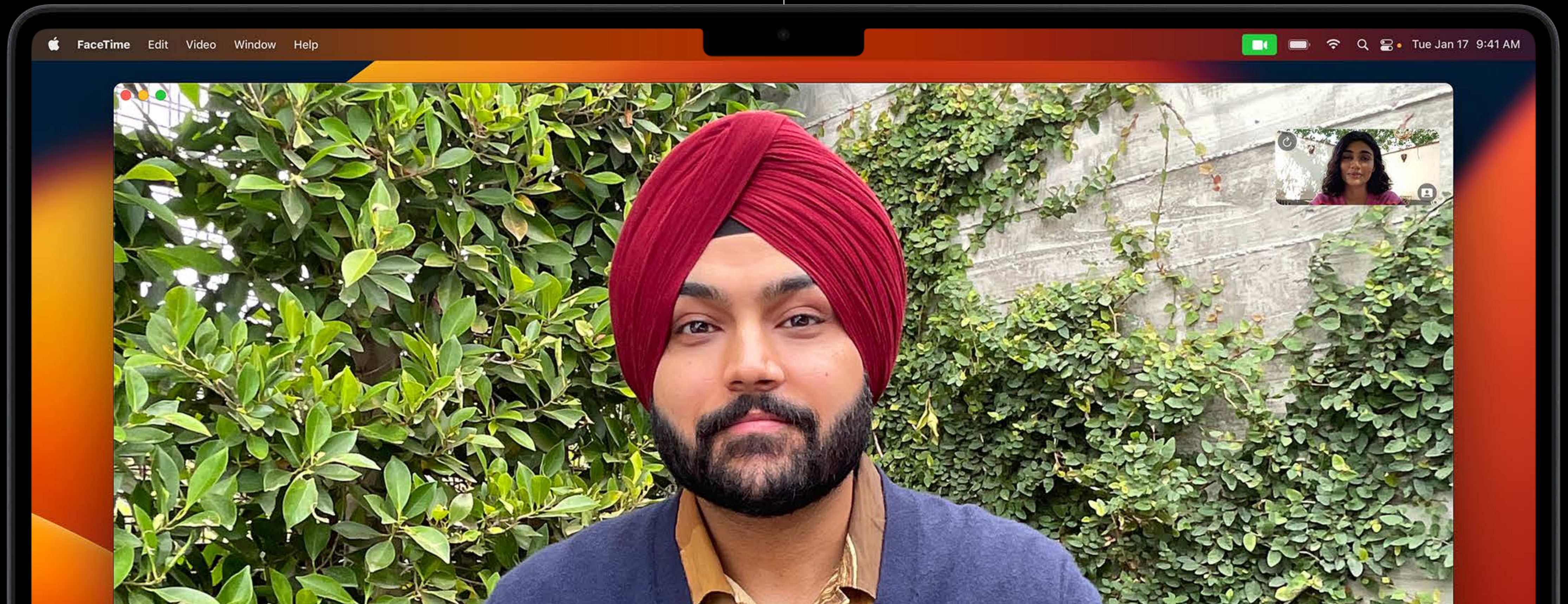
Configurable up to 8TB

1080p FaceTime HD camera

New 4-element lens

All-new image sensor

Computational video





Studio quality
three-mic array

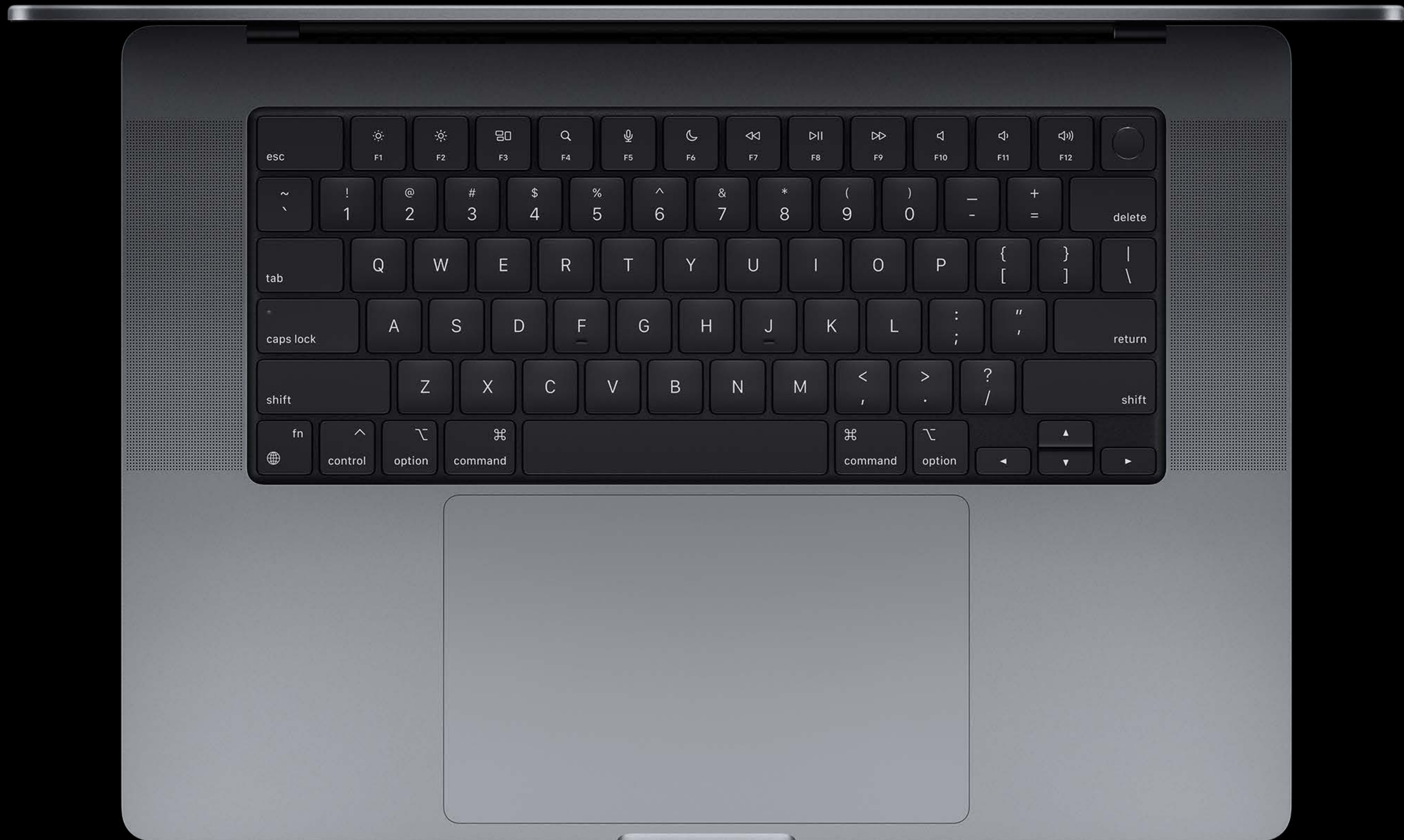


Tweeters

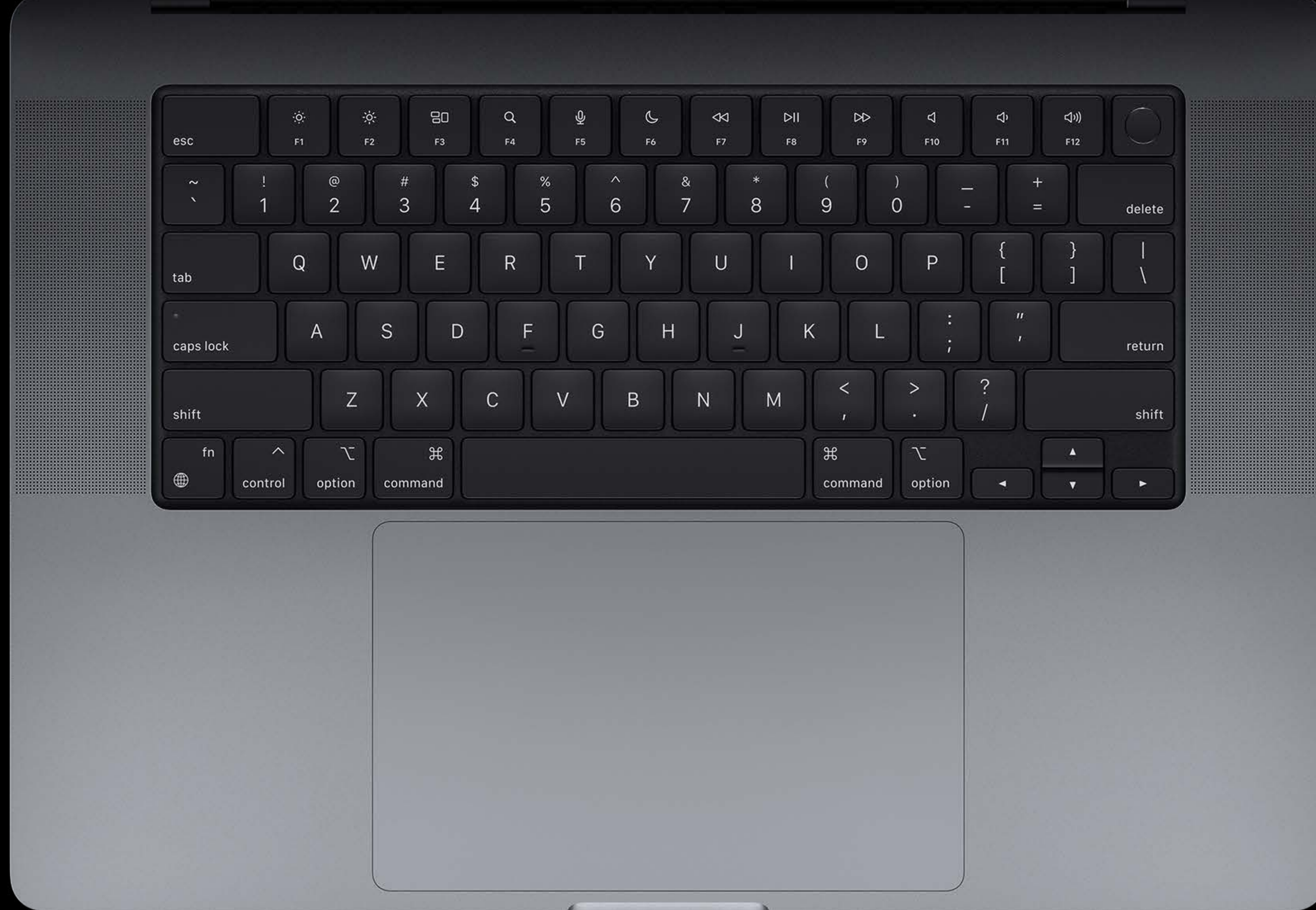
Force-cancelling
woofers







Magic Keyboard



Force Touch trackpad



SDXC

Thunderbolt 4

HDMI



MagSafe 3

Thunderbolt 4

Headphone jack



Over 80 million pixels



Wi-Fi 6E

Up to 2.4Gb/s throughput

Speeds are based on theoretical throughput and may vary.



16-inch Liquid Retina XDR display

Apple M2 Pro and M2 Max

Up to 96GB unified memory

Up to 8TB SSD

1080p FaceTime HD camera

Studio-quality mics

Six-speaker sound system

Wi-Fi 6E

Up to 22 hours of battery life

The display on the 16-inch MacBook Pro has rounded corners at the top. When measured as a standard rectangular shape, the screen is 16.2 inches diagonally (actual viewable area is less). 1GB = 1 billion bytes and 1TB = 1 trillion bytes; actual formatted capacity less. Testing conducted by Apple in November and December 2022 using preproduction 16-inch MacBook Pro systems with Apple M2 Pro, 12-core CPU, 19-core GPU, 16GB of RAM, and 1TB SSD. The wireless web test measures battery life by wirelessly browsing 25 popular websites with display brightness set to 8 clicks from bottom. The Apple TV app movie playback test measures battery life by playing back HD 1080p content with display brightness set to 8 clicks from bottom. Battery life varies by use and configuration. See apple.com/batteries for more information.



14-inch Liquid Retina XDR display

Apple M2 Pro and M2 Max

Up to 96GB unified memory

Up to 8TB SSD

1080p FaceTime HD camera

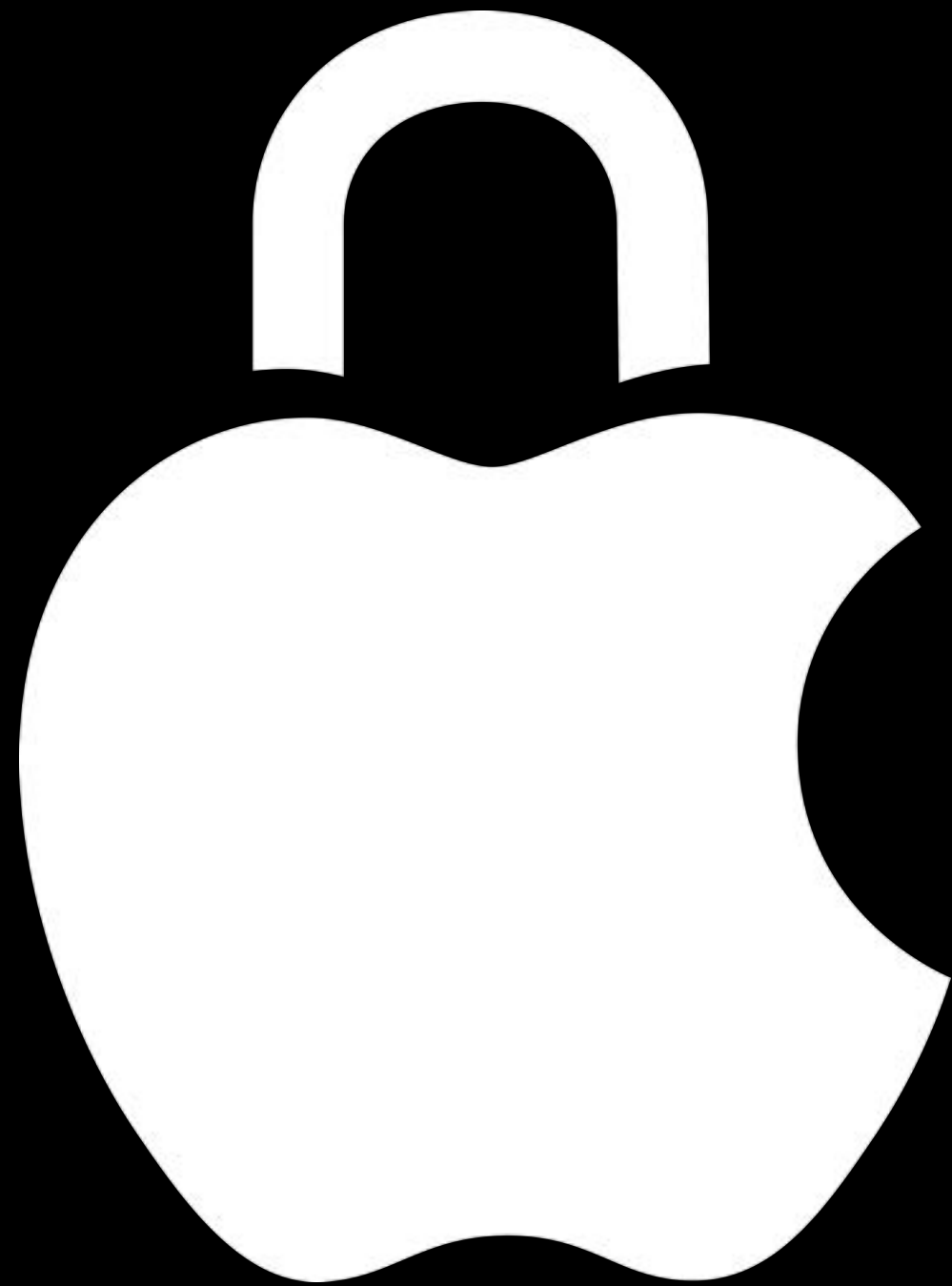
Studio-quality mics

Six-speaker sound system

Wi-Fi 6E

Up to 18 hours of battery life

The display on the 14-inch MacBook Pro has rounded corners at the top. When measured as a standard rectangular shape, the screen is 14.2 inches diagonally (actual viewable area is less). 1GB = 1 billion bytes and 1TB = 1 trillion bytes; actual formatted capacity less. Testing conducted by Apple in November and December 2022 using preproduction 14-inch MacBook Pro systems with Apple M2 Pro, 12-core CPU, 19-core GPU, 16GB of RAM, and 1TB SSD. The wireless web test measures battery life by wirelessly browsing 25 popular websites with display brightness set to 8 clicks from bottom. The Apple TV app movie playback test measures battery life by playing back HD 1080p content with display brightness set to 8 clicks from bottom. Battery life varies by use and configuration. See apple.com/batteries for more information.



Best-in-class security

Secure Enclave

Secure boot

Automatic encryption

macOS

Ventura



8-core CPU

Up to 12-core CPU

12-core CPU

10-core GPU

Up to 19-core GPU

Up to 38-core GPU

16-core Neural Engine

16-core Neural Engine

16-core Neural Engine

Up to 24GB unified memory

Up to 32GB unified memory

Up to 96GB unified memory

100GB/s memory bandwidth

200GB/s memory bandwidth

400GB/s memory bandwidth

Media engine

Media engine

Enhanced media engine

1 decode engine

1 decode engine

1 decode engine

1 encode engine

1 encode engine

2 encode engines

1 ProRes encode and decode engine

1 ProRes encode and decode engine

2 ProRes encode and decode engines



13-inch MacBook Pro

From
\$1299
Apple Retail Price



14-inch MacBook Pro

From
\$1999
Apple Retail Price



16-inch MacBook Pro

From
\$2499
Apple Retail Price

13-inch Retina display

14-inch Liquid Retina XDR display

16-inch Liquid Retina XDR display

M2

M2 Pro
or
M2 Max

M2 Pro
or
M2 Max

Up to 24GB unified memory

Up to 96GB unified memory

Up to 96GB unified memory

Up to 2TB SSD

Up to 8TB SSD

Up to 8TB SSD

FaceTime HD Camera

1080p FaceTime HD Camera

1080p FaceTime HD Camera

Thunderbolt/USB 4

Thunderbolt 4

Thunderbolt 4

Magic Keyboard

Magic Keyboard

Magic Keyboard

Touch Bar and Touch ID

Full-height function row and Touch ID

Full-height function row and Touch ID

Up to 20 hours battery life

Up to 18 hours battery life

Up to 22 hours battery life

3.0 pounds

3.5 pounds

4.7 pounds

The display on the 14-inch MacBook Pro has rounded corners at the top. When measured as a standard rectangular shape, the screen is 14.2 inches diagonally (actual viewable area is less). The display on the 16-inch MacBook Pro has rounded corners at the top. When measured as a standard rectangular shape, the screen is 16.2 inches diagonally (actual viewable area is less). 1 GB = 1 billion bytes and 1TB = 1 trillion bytes; actual formatted capacity less. Battery life varies by use and configuration. See apple.com/batteries for more information.

Configurations and Options

13-inch MacBook Pro

\$1299

Apple Retail Price

\$1499

Apple Retail Price

Retina display

2560x1600

Retina display

2560x1600

Apple M2 chip

8-core CPU

10-core GPU

16-core Neural Engine

Apple M2 chip

8-core CPU

10-core GPU

16-core Neural Engine

8GB unified memory

8GB unified memory

256GB SSD*

512GB SSD*

Magic Keyboard with Touch Bar and Touch ID

Magic Keyboard with Touch Bar and Touch ID

Up to 20 hours battery life**

Up to 20 hours battery life**

*1 GB = 1 billion bytes and 1TB = 1 trillion bytes; actual formatted capacity less. **Battery life varies by use and configuration. See apple.com/batteries for more information.

14-inch MacBook Pro

\$1999

Apple Retail Price

\$2499

Apple Retail Price

\$3099

Apple Retail Price

Liquid Retina XDR display
3024x1964

Liquid Retina XDR display
3024x1964

Liquid Retina XDR display
3024x1964

Apple M2 Pro chip
10-core CPU
16-core GPU
16-core Neural Engine

Apple M2 Pro chip
12-core CPU
19-core GPU
16-core Neural Engine

Apple M2 Max chip
12-core CPU
30-core GPU
16-core Neural Engine

16GB unified memory

16GB unified memory

32GB unified memory

512GB SSD*

1TB SSD*

1TB SSD*

Magic Keyboard with
full-height function row and Touch ID

Magic Keyboard with
full-height function row and Touch ID

Magic Keyboard with
full-height function row and Touch ID

Up to 18 hours battery life**

Up to 18 hours battery life**

Up to 18 hours battery life**

*1 GB = 1 billion bytes and 1TB = 1 trillion bytes; actual formatted capacity less. **Battery life varies by use and configuration. See apple.com/batteries for more information.

16-inch MacBook Pro

\$2499

Apple Retail Price

\$2699

Apple Retail Price

\$3499

Apple Retail Price

Liquid Retina XDR display
3456x2234

Liquid Retina XDR display
3456x2234

Liquid Retina XDR display
3456x2234

Apple M2 Pro chip
12-core CPU
19-core GPU
16-core Neural Engine

Apple M2 Pro chip
12-core CPU
19-core GPU
16-core Neural Engine

Apple M2 Max chip
12-core CPU
38-core GPU
16-core Neural Engine

16GB unified memory

16GB unified memory

32GB unified memory

512GB SSD*

1TB SSD*

1TB SSD*

Magic Keyboard with
full-height function row and Touch ID

Magic Keyboard with
full-height function row and Touch ID

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full-height function row and Touch ID

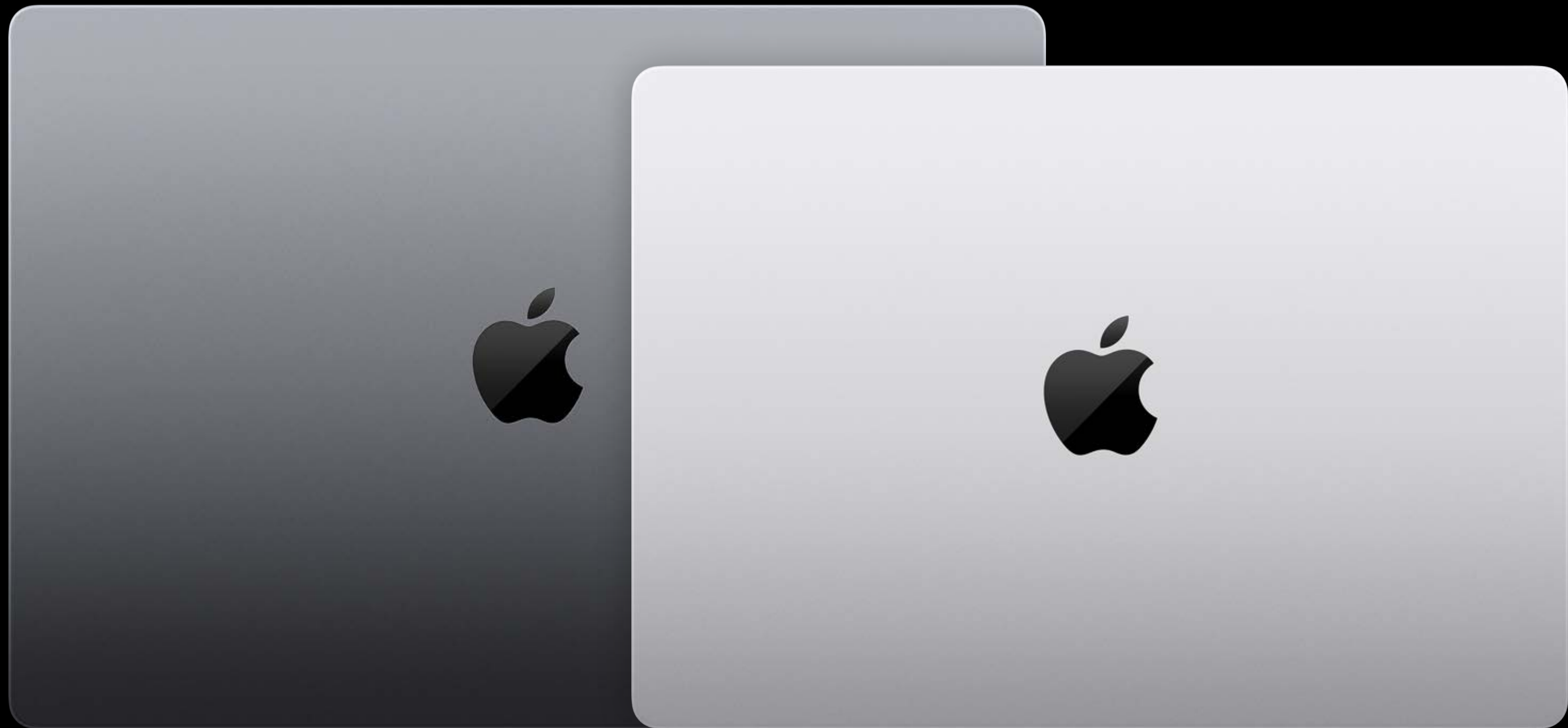
Up to 22 hours battery life**

Up to 22 hours battery life**

Up to 22 hours battery life**

*1 GB = 1 billion bytes and 1TB = 1 trillion bytes; actual formatted capacity less. **Battery life varies by use and configuration. See apple.com/batteries for more information.

Silver and Space Gray



Configure-to-Order Options

	Chip	Memory	Storage	Power Adapter
13-inch MacBook Pro	N/A	8GB of unified memory 16GB of unified memory 24GB of unified memory	256GB SSD 512GB SSD 1TB SSD 2TB SSD	N/A
14-inch MacBook Pro	Apple M2 Pro chip 10-core CPU, 16-core GPU 12-core CPU, 19-core GPU Apple M2 Max chip 12-core CPU, 19-core GPU 12-core CPU, 30-core GPU 12-core CPU, 38-core GPU	16GB unified memory (M2 Pro only) 32GB unified memory 64GB unified memory (M2 Max only) 96GB unified memory (M2 Max only)	512GB SSD 1TB SSD 2TB SSD 4TB SSD 8TB SSD	67W adapter 96W adapter
16-inch MacBook Pro	Apple M2 Pro chip 12-core CPU, 19-core GPU Apple M2 Max chip 12-core CPU, 19-core GPU 12-core CPU, 30-core GPU 12-core CPU, 38-core GPU	16GB unified memory (M2 Pro only) 32GB unified memory 64GB unified memory (M2 Max only) 96GB unified memory (M2 Max only)	512GB SSD 1TB SSD 2TB SSD 4TB SSD 8TB SSD	N/A

1 GB = 1 billion bytes and 1TB = 1 trillion bytes; actual formatted capacity less.

Accessories



Accessories

67W USB-C Power Adapter

96W USB-C Power Adapter

140W USB-C Power Adapter

Power Adapter Extension Cable

World Travel Adapter Kit

Polishing Cloth



USB-C Adapters and Cables

USB-C to MagSafe 3 Cable

USB-C to USB Adapter

USB-C VGA Multiport Adapter

USB-C to Gigabit Ethernet Adapter

Thunderbolt 3 (USB-C) Cable

Apple Studio Display

27-inch 5K Retina display

12MP Ultra Wide camera with Center Stage

Six-speaker sound system
with Spatial Audio

Studio-quality mics

Thunderbolt port with 96W power delivery



\$1599

Apple Retail Price

Apple Pro Display XDR

Best-in-class 32-inch 6K
Thunderbolt 3 (USB-C) display

6016-by-3384 resolution at 218 ppi

Extreme Dynamic Range up to
1600 nit peak brightness

1,000,000:1 contrast ratio

P3 wide color gamut

Super wide viewing angle



\$4999

Apple Retail Price

Pro Stand not included.

MacBook Pro



MacBook Pro is designed with the following features to reduce its environmental impact:

100% recycled rare earth elements in the enclosure magnets



100% of virgin wood fiber comes from responsibly managed forests



100% recycled tin in the solder of the main logic board



90% or more fiber-based packaging



Enclosures made with recycled OR low-carbon aluminum



Arsenic-free display glass



ENERGY STAR® certified



Mercury-, BFR-, PVC-, and beryllium-free



AppleCare+ for Mac

Additional hardware coverage for Mac

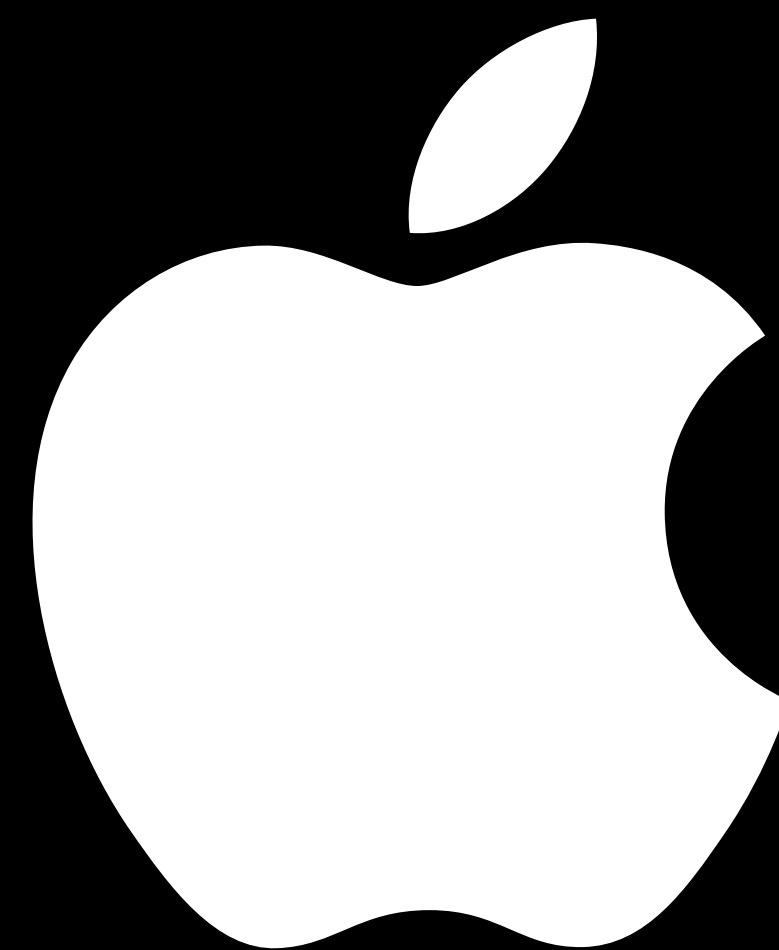
Unlimited incidents of accidental damage protection, each subject to a service fee

Includes battery coverage

Onsite for desktops, mail-in for laptops, and carry-in for all

24/7 priority access to Apple Support for help with macOS, iCloud, and Apple apps





AppleCare Protection Plan for Mac

Three years of technical support
and hardware service

Covers Mac, macOS, iCloud, and Apple
apps

Onsite for desktops and carry-in for all

Priority access to Apple Support

