

## MacBook Pro Retina 15 inch MPTV2J/A

Model No.	MacBook Pro Retina Display 2900/15.4(Silver) MPTV2J/A
Processor	2.9GHz quad-core Intel Core i7 processor (Turbo Boost up to 3.9GHz)
L3 cache	8MB shared L3 cache
Memory	16GB of 2,133MHz LPDDR3 onboard memory
Display	Retina display: 15.4-inch (diagonal) LED-backlit display with IPS technology; 2880-by-1800 resolution, 220ppi, millions of colors
	Supported scaled resolutions: 1920 by 1200, 1680 by 1050, 1280 by 800, 1024 by 640, 500 nits brightness, wide color (P3)
Graphics	Radeon Pro 560 with 4GB of GDDR5 memory and automatic graphics switching, Intel UHD Graphics 630
Video Support	Simultaneously supports full native resolution on the built-in display at millions of colors and: Up to two displays with 5120-by-2880 resolution at 60Hz at over a billion colors, Up to four displays with 4096-by-2304 resolution at 60Hz at over a millions of colors, Up to four displays with 3840-by-2160 resolution at 60Hz at over a billion colors
	Thunderbolt 3 digital video out, Native DisplayPort output over USB-C, VGA, HDMI, Thunderbolt 2 output supported using adapters(sold separately)
Storage	512GB PCIe-based onboard SSD
Optical drive	-
Ethernet	LAN adaptor : USB Type-C attached Gigabit network adaptor
Wireless	802.11ac Wi-Fi wireless networking; IEEE 802.11a/b/g/n compatible, Bluetooth 4.2 wireless technology
Keyboard and Trackpad	Full-size Backlit keyboard (JIS) including 4 arrow keys, Touch Bar with integrated Touch ID sensor, 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
Camera	720p FaceTime HD camera
Charging and Expansion	Four Thunderbolt 3 (USB-C) ports with support for: Charging, DisplayPort, Thunderbolt (up to 40 Gbps), USB 3.1 Gen 2 (up to 10 Gbps)
Audio	Stereo speaker with high dynamic range, Three microphones, 3.5 mm headphone jack
Battery and Power	Built-in 76.0-watt-hour lithium-polymer battery, 87W USB-C Power Adapter
Size (H×W×D)	15.5mm×349.3mm×240.7mm
Weight	1.83kg
Supplied accessories	87W USB-C Power Adapter, USB-C Charge Cable (2m), Mouse, USB Type-C Gigabit network adaptor, USB-C - USB adapter