

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	APPLE MAC PRO WORKSTATION OR EQUAL	1.00000	EA	\$6,540.000000	\$6,540.00

Comm Code	Manufacturer	Specification	Model #
43211515			

Extended Description :	APPLE MAC PRO WORKSTATION OR EQUAL
------------------------	------------------------------------

Comments: See attachment for itemization; bidding hardware only; software is only available through the Mac App Store

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	APPLE MACBOOK PRO LAPTOP OR EQUAL	1.00000	EA	\$6,369.000000	\$6,369.00

Comm Code	Manufacturer	Specification	Model #
43211503			

Extended Description :	APPLE MACBOOK PRO LAPTOP OR EQUAL
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Comments: See attachment for itemization; bidding hardware only; software is only available through the Mac App Store

ADDITIONAL TERMS AND CONDITIONS
(Architectural and Engineering Contracts Only)

- 1. PLAN AND DRAWING DISTRIBUTION:** All plans and drawings must be completed and available for distribution at least five business days prior to a scheduled pre-bid meeting for the construction or other work related to the plans and drawings.

- 2. PROJECT ADDENDA REQUIREMENTS:** The Architect/Engineer and/or Agency shall be required to abide by the following schedule in issuing construction project addenda. The Architect/Engineer shall prepare any addendum materials for which it is responsible, and a list of all vendors that have obtained drawings and specifications for the project. The Architect/Engineer shall then send a copy of the addendum materials and the list of vendors to the State Agency for which the contract is issued to allow the Agency to make any necessary modifications. The addendum and list shall then be forwarded to the Purchasing Division buyer by the Agency. The Purchasing Division buyer shall send the addendum to all interested vendors and, if necessary, extend the bid opening date. Any addendum should be received by the Purchasing Division at least fourteen (14) days prior to the bid opening date.

- 3. PRE-BID MEETING RESPONSIBILITIES:** The Architect/Engineer shall be available to attend any pre-bid meeting for the construction or other work resulting from the plans, drawings, or specifications prepared by the Architect/Engineer.

- 4. AIA DOCUMENTS:** All construction contracts that will be completed in conjunction with architectural services procured under Chapter 5G of the West Virginia Code will be governed by the attached AIA documents, as amended by the Supplementary Conditions for the State of West Virginia, in addition to the terms and conditions contained herein. The terms and conditions of this document shall prevail over anything contained in the AIA Documents or the Supplementary Conditions.

- 5. GREEN BUILDINGS MINIMUM ENERGY STANDARDS:** In accordance with West Virginia Code § 22-29-4, all new building construction projects of public agencies that have not entered the schematic design phase prior to July 1, 2012, or any building construction project receiving state grant funds and appropriations, including public schools, that have not entered the schematic design phase prior to July 1, 2012, shall be designed and constructed complying with the ICC International Energy Conservation Code, adopted by the State Fire Commission, and the ANSI/ASHRAE/IESNA Standard 90.1-2007: Provided, That if any construction project has a commitment of federal funds to pay for a portion of such project, this provision shall only apply to the extent such standards are consistent with the federal standards.



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PHOTO 1-212 444-6600
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DIGITAL PHOTO 1-212 444-6700
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VIDEO 1-212 444-5000
1-800 947-9910

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Date	Customer Code	Terms	Salesperson	Ship Via	
12/13/18	55280192	N/A	ES	MULTIPLE	
Qty Ord	Item Description	SKU#	MFR#	Item Price	Amount
1	APPLE MACPRO/12C X E5/2.7G/64GB/1TB/D700/REG	APMPMD87816	(Z0P8MD87816)	6,241.00	6,241.00
1	APPLE + FOR MAC PRO/REG	APS6194LLA	(S6194LLA)	183.00	183.00
1	APPLE MAGIC KEYBOARD w/ NUMERIC KEYPAD/REG	APMQ052LLA	(MQ052LLA)	116.00	116.00
1	APPLE MBP/i9/2.9G/32GB/4TB SSD/560/15" - SG/REG	APMBPMR9359	(Z0V0MR9359BH)	5,974.00	5,974.00
1	APPLE + FOR 15" MACBOOK PRO/REG	APS6054LLA	(S6054LLA)	279.00	279.00
1	APPLE MAGIC KEYBOARD w/ NUMERIC KEYPAD/REG	APMQ052LLA	(MQ052LLA)	116.00	116.00
NOTE: ----- Bidding hardware only The software is only available through the Mac App Store					
Continued on Next Page ...					

BNI_quote



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Federal ID#: 13-2768071

Quote No.: 777881340

Date	Customer Code	Terms	Salesperson	Ship Via		
12/13/18	55280192	N/A	Slsm	MULTIPLE		
Qty	Ord	Item Description	SKU#	MFR#	Item Price	Amount
<p>PLEASE NOTE: -----</p> <p>*****UPCOMING SCHEDULE CHANGE *****</p> <p>We Will be Closed Tuesday December 25th</p> <p>We will re-open on Wednesday December 26th at 9am</p> <p>*****</p> <p>The B&H Superstore will be open New Years Day</p> <p>From 10am to 6pm</p> <p>*****</p> <p>The B&H SuperStore Only Extended Holiday Hours</p> <p>Monday December 17th thru Thursday December 20th</p> <p>We Will be open from 9am to 8pm</p> <p>*****</p> <p>**** Please reference your quote number on all PO's ****</p> <p>Certain items may be enforced by vendor to sell at the</p> <p>vendor-imposed price posted at the time of order.</p>						
<p>Payment Type -</p> <p>NO PAYMENT TYPE SELECTED</p>					- Amount	<p>Sub-Total: 12,909.00</p> <p>Shipping: Free STND</p> <p>Total: 12,909.00</p>

B&H_quote



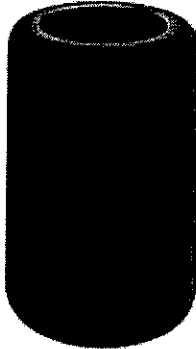
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Sales: 212.444.6615
Customer Service: 212.239.7765



Authorized
Reseller



Apple Mac Pro Desktop Computer (Twelve-Core, Late 2013)

B&H # APMPMD87816 MFR # Z0P8-MD87816

Availability: **IN STOCK**

Price: \$6,999.00
Instant Savings: \$500.00

\$6,499.00

- 2.7 GHz Intel Xeon E5 Twelve-Core
- 64GB of 1866 MHz DDR3 ECC RAM
- 1TB PCIe-Based Flash Storage
- Dual AMD FirePro D700 GPUs (2 x 6GB)
- Six Thunderbolt 2 Ports
- Four USB 3.0 Ports, One HDMI 1.4 Port
- Supports up to Three 4K Displays
- 802.11a/b/g/n/ac Wi-Fi, Bluetooth 4.0
- Unique Compact Cylinder Design
- macOS High Sierra

What's in the Box

Apple Mac Pro Desktop Computer (Twelve-Core, Late 2013)

Power Cord

1-Year Limited Warranty with 90 Days of Telephone Support

Apple Mac Pro Overview

Overview

From 2006 to 2012, the Mac Pro from Apple stuck with the same aluminum case, first made popular by the Power Mac G5. Now, the Mac Pro returns with a completely redesigned look. Apple revisited the architecture of the Mac Pro's internal components in order to maximize performance and minimize heat. With a unified thermal core, Apple opted for a leaner, lighter, and quieter structure that was more streamlined. The unique cylinder design stands just 9.9 inches tall with a diameter of just 6.6 inches, which allows it to be a professional workstation that can actually sit on your desk.

The system is powered by a 12-core 2.7 GHz Intel Xeon E5 processor. The Mac Pro also has 64GB of 1866 MHz DDR3 ECC RAM and 1TB of PCIe-based flash storage. There are also dual AMD FirePro D700 graphics cards with 6GB of GDDR5 discrete VRAM each. You'll be able to connect to the Internet with fast-speed 802.11ac Wi-Fi. The Mac Pro also supports a/b/g/n Wi-Fi networks as well. The Mac Pro also features built-in Bluetooth 4.0, which allows you to connect wireless headphones, keyboard, mice and other compatible peripherals without a hassle.

The Mac Pro has six Thunderbolt 2 ports and a high-speed interface that can move data at up to 20 Gb/s. That's four times the speed of the USB 3.0 standard. Speaking of USB 3.0, Apple added four USB 3.0 ports to ensure you have full native connectivity options with your USB-compatible peripherals such as external hard drives.

iLife has a complete suite of digital creativity applications. Easy enough for anyone to use, iLife will help you edit your home movies, organize digital photos, and compose original music. iLife includes iPhoto, iMovie, and GarageBand.

iWork provides three apps to keep you productive. Pages allow you to make creative word documents. Numbers helps you make spreadsheets more visually insightful. Keynote allows you to create a powerful presentation, complete with animated charts and interactive tables with cinematic effects and transitions.

Please note that this Mac may come with an earlier version of macOS. You can upgrade to the latest version through the Mac App Store app.

Features

Twelve-Core, Late 2013 Intel Xeon E5 Performance

This Mac Pro features a 2.7 GHz Intel Xeon E5 processor with 12 cores of processing power on a single die. And with 30MB of L3 cache, 40 GB/s of PCI Express Gen 3 bandwidth, and 256-bit-wide floating-point instructions, you'll never be at a loss for speed

Dual AMD FirePro D700 Graphics Cards

Traditionally, professional computers have relied primarily on the CPU for their computing power. But as GPU performance has dramatically increased, software developers have begun to leverage that power in their apps. With the Mac Pro, Apple engineered an even more powerful GPU architecture. Not only does it feature a state-of-the-art AMD FirePro workstation-class GPU - it features two of them. And each is available with 6GB of dedicated VRAM and 2048 stream processors. With 7 teraflops of computing power between the two, you'll be able to do things like seamlessly edit full-resolution 4K video while simultaneously rendering effects in the background - and still have enough power to connect up to three high-resolution 4K displays

Memory

Every component in the Mac Pro is optimized for performance. That includes a four-channel DDR3 memory controller running at 1866 MHz. It supports 64GB of memory and delivers up to 60 GB/s of memory bandwidth, which means you can fly through even the most compute-intensive tasks in no time. And since it's ECC memory, your render job, video export, or simulation won't be stopped by

transient memory errors

Design

Apple reorganized the architecture of the internal components as well as the entire enclosure of the Mac Pro. Its unique cylinder design is made with refined impact extrusion technologies for effective material use and a polished aluminum enclosure. It stands at just 9.9 inches tall with a diameter of just 6.6 inches, allowing you to place it on your desk

Storage

The Mac Pro has next-generation PCIe-based flash storage, which is up to 2.4 times faster than the fastest SATA-based solid state drive and up to 10 times faster than a 7200 rpm SATA hard drive. Most flash storage systems that connect via SATA buses are designed for slower spinning hard drives. But Apple designed the Mac Pro around new PCIe-based flash controller technology, which delivers the fastest solid state drives available standard in a desktop computer. So you'll have 1TB of storage that will let you boot up, launch apps, and even open massive files almost instantly

Thermal Core

Rather than using multiple heat sinks and fans to cool the processor and graphics cards, Apple built everything around a single piece of extruded aluminum designed to maximize airflow as well as thermal capacity. It works by conducting heat away from the CPU and GPUs and distributing that heat uniformly across the core. That way, if one processor isn't working as hard as the others, the extra thermal capacity can be shared efficiently among them

Fan

Instead of adding extra fans, Apple engineered a single, larger fan that pulls air upward through a bottom intake. As air passes vertically through the center of the device, it absorbs heat and carries it out the top. By minimizing air resistance throughout the system, Apple was able to design a fan with backward-curved impeller blades that runs at fewer revolutions per minute, draws air more efficiently as it spins, and creates considerably less noise

Expansion

Designed with built-in Thunderbolt 2, USB 3.0, Gigabit Ethernet, and HDMI 1.4 ports, the Mac Pro provides flexible, high-performance expansion. And it has everything you need to build a workstation completely customized to what you need and how you work

Thunderbolt 2

Thunderbolt 2 combines PCI Express and DisplayPort into one high-speed, versatile I/O technology. Thunderbolt 2 delivers twice the throughput, providing up to 20 Gb/s of bandwidth to each external device. So you're more than ready for the next generation of high-performance peripherals, without being limited by the number of expansion slots inside your computer. You can connect massive amounts of storage, add a PCI expansion chassis, and work with the latest external displays - including 4K desktop displays and peripheral devices capable of broadcasting in 4K. And since each Thunderbolt 2 port allows you to daisy-chain up to six peripherals, you can go all out by plugging in up to 36 external devices via Thunderbolt 2 alone. Mac Pro supports a total of two DVI or HDMI displays when connected via the built-in HDMI port or using the Apple Mini DisplayPort to DVI adapter. To connect additional DVI displays, use an active DVI adapter such as the Apple Mini DisplayPort to Dual-Link DVI adapter. You can connect up to six active adapter DVI displays. This requires a powered USB hub since Mac Pro offers four USB ports and you will need six to connect them all.

I/O Connections

The Mac Pro equips you with all kinds of connections for all kinds of peripherals. USB 3.0 gives you the versatility to hook up dozens of different types of external devices. Two Gigabit Ethernet ports

let you connect to multiple networks. And an HDMI 1.4 port provides support for the high-definition televisions, projectors, and displays, including Ultra HD TVs. As you rotate Mac Pro to plug in a device, it senses the movement and automatically illuminates the I/O panel. So you can easily see the ports you need when you need them

Wireless

Access your network over three-stream 802.11ac Wi-Fi for high-speed wireless connectivity. For all your other wireless connections, the Mac Pro includes Bluetooth 4.0. It's the easiest way to connect your keyboard, mouse, and other wireless devices without having to physically attach anything

Specs

Apple Mac Pro Specs

Performance

Processor	2.7 GHz Intel Xeon E5 Twelve-Core, Late 2013 30MB L3 cache
Memory	64GB of 1866 MHz DDR3 ECC RAM
Graphics	2 x AMD FirePro D700 with 6GB of GDDR5 discrete memory

Storage

Storage (SSD)	1TB PCIe-based flash storage
Optical Drive	None

Input/Output Connectors

Ports	6 x Thunderbolt 2 4 x USB 3.0
Display	1 x HDMI 1.4 6 x mini DisplayPort (via Thunderbolt 2 ports) Connect up to three 4K displays or six Thunderbolt displays
Audio	1 x Combined optical digital audio output/analog line out minijack 1 x Headphone minijack with headset output 1 x HDMI port supports multichannel audio output 1 x Built-in speaker

Connectivity

Ethernet	2 x 10/100/1000 Mbps Gigabit Ethernet RJ-45
Wi-Fi	802.11ac (802.11a/b/g/n compatible)
Bluetooth	4.0

General

Power Requirements	Line Voltage: 100-120V AC or 200-240V AC (wide-range power supply input voltage) Frequency: 50 Hz to 60 Hz single phase Maximum continuous power: 450W
Environment Requirements	Operating Temperature: 50° to 95%deg;F / 10° to 35%deg;C Storage Temperature: -40%deg; to 116° F / -40° to 47%deg;C Relative Humidity: 5% to 95% noncondensing Maximum Operating Altitude: 16,400 feet / 5,000 m Typical Acoustical Performance, Sound Pressure Level (Operator Position): 12 dBA at idle
Operating System	macOS High Sierra
Dimensions	9.9 x 6.6" / 25.1 x 16.7 cm
Weight	11 lbs / 5 kg

Packaging Info

Package Weight	14.2 lb
Box Dimensions (LxWxH)	16.1 x 10.1 x 6.8"



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Apple AppleCare+ Protection Plan Extension for Mac Pro (2-Year Extension)

B&H # APS6194LLA MFR # S6194LL/A

Availability: **IN STOCK**

\$249.00



AppleCare
Protection Plan

- Extends Coverage to 3 Years Total
- Hardware & Software Support
- 24/7 Priority Access to Product Experts
- Accidental Coverage Support
- Global Repair Coverage

What's in the Box

Apple AppleCare+ Protection Plan Extension for Mac Pro (2-Year Extension)
Extended Hardware Repair Coverage
Extended Software Support
Extended Telephone Support

Apple S6194LL/A Overview

Overview

The AppleCare+ Protection Plan Extension for Mac Pro from Apple gives you peace of mind by extending your hardware, software, and telephone support coverage to 3-years total. AppleCare+ provides you with expert assistance, global repair coverage for your Mac Pro, and web-based resources and diagnostic tools. In addition to technical support, AppleCare+ also offers accidental coverage for up to 2 incidents throughout the warranty period. Each accidental damage incident is subject to a service fee, which varies on the type of damage reported; please visit the manufacturer's website for pricing details. With 24/7 access to product experts via phone or chat, you can get the support you need, day or night.

AppleCare+ can be purchased with your new Mac or within 60 from the original date of purchase.

Features

Telephone Support

The standard complimentary 90-day phone support is extended to a 3-year plan, giving you one number to call for all your technical questions.

Technical Support

Because Apple designs the computer, the operating system, and many applications, the Mac is a truly integrated system. And the AppleCare+ Protection Plan gives you one-stop service and support from Apple experts, so most issues can be resolved in a single call. You get:

- 24/7 priority access to Apple experts via chat or phone
- Global repair coverage
- Onsite repair: Request that a technician come to your work site
- Carry-in repair: Take your Mac to an Apple Retail Store or other Apple Authorized Service Provider

Apple Hardware Coverage

AppleCare+ for Mac provides global repair coverage, both parts and labor, from Apple-authorized technicians around the world. Coverage includes the following Apple hardware coverage includes:

- Mac computer and battery
- Included accessories such as the power adapter
- Apple memory (RAM)
- AirPort
- Apple USB SuperDrive
- Coverage for up to two incidents of accidental damage, each subject to a service fee

Software Support Included

Whether you're in your home or office or on the go, you can get direct access to Apple experts for questions on a wide range of Mac topics, including:

- Using the macOS and iCloud
- Quick how-to questions about Apple-branded apps, such as Photos, iMovie, GarageBand, Pages, Numbers, Keynote, and more
- Connecting to printers and AirPort networks

Specs

Apple S6194LL/A Specs

Warranty

AppleCare+ for Mac Pro



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Apple Magic Wireless Keyboard with Numeric Keypad (Silver)

B&H # APMQ052LLA MFR # MQ052LL/A

Availability: **IN STOCK**

Reg. Price: \$129.99

Instant Savings: \$12.00

Limited supply at this price

\$117.99

- Wireless Bluetooth Connectivity
- Built-In Rechargeable Battery
- Scissor Mechanism for Keys
- Numeric Keypad
- Lightning to USB Cable Included
- Mac Compatible

What's in the Box

Apple Magic Wireless Keyboard with Numeric Keypad (Silver)
Lightning to USB Cable
Limited 1-Year Warranty

Apple MQ052LL/A Overview

Overview

The silver Apple Magic Wireless Keyboard with Numeric Keypad features an extended layout with document navigation and full-size arrow keys. The numeric keypad also allows for faster input of numbers, especially useful for spreadsheets and finance applications.

Each key features a scissor mechanism that allows for increased stability as well as optimized key travel. The low-profile design also provides a comfortable typing experience. The Magic Keyboard has a built-in battery that can power it for up to a month on a single charge (battery life may vary). When the battery is running low, you can recharge it with the included Lightning to USB cable.

Specs

Apple MQ052LL/A Specs

Keys

Number of Keys	109
Switch Type	Scissor
Key Rollover	<i>None</i>
Dedicated Multimedia Keys	Yes
Dedicated Macro Keys	<i>None</i>

Connectivity

Connection Type	Wireless
System Connection	USB Type-A
Wireless Connectivity	Bluetooth
USB Ports	<i>None</i>
Audio	<i>None</i>
Charging Input Type	Lightning
Full-Functionality OS Support	Mac

General

Backlight	No
Onboard Memory	<i>None</i>
Built-In Control Device	<i>None</i>
Wrist Rest	<i>None</i>

Power

Maximum Battery Life	1 Month
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Physical

Dimensions (L x W x H)	4.5 x 16.5 x 0.4" / 11.4 x 41.9 x 1.0 cm
Weight	0.9 lb / 0.4 kg

Packaging Info

Package Weight	1.4 lb
Box Dimensions (LxWxH)	17.4 x 5.0 x 0.6"



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Apple 15.4" MacBook Pro with Touch Bar (Mid 2018, Space Gray)

B&H # APMBPMR9359 MFR # Z0V0-MR9359-BH

Availability: **IN STOCK**

Price: \$6,699.00

Last Minute Savings: \$700.00

\$5,999.00



- 2.9 GHz Intel Core i9 Six-Core
- 32GB of 2400 MHz RAM | 4TB SSD
- 15.4" 2880 x 1800 Retina Display
- AMD Radeon Pro 560X GPU (4GB GDDR5)
- True Tone Technology
- Wi-Fi 5 (802.11ac) | Bluetooth 5.0
- Touch Bar | Touch ID Sensor
- 4 x Thunderbolt 3 (USB Type-C) Ports
- Force Touch Trackpad
- macOS Mojave

What's in the Box

- Apple 15.4" MacBook Pro with Touch Bar (Mid 2018, Space Gray)
- 87W USB Type-C Power Adapter
- USB Type-C Charge Cable (2 m)
- Limited 1-Year Warranty with 90 Days of Free Telephone Support

Apple MacBook Pro Overview

Found in: Creative Laptops

Overview

Experience the innovative interface of the Touch Bar in the mid 2018 space gray Apple 15.4" MacBook Pro with Touch Bar.

The 15.4" Retina Display has a 2880 x 1800 resolution. It also supports the P3 color gamut, which allows for more vibrant colors. This ensures true-to-life pictures with realistically vivid details, which are essential for graphic design, color grading, and editing. With True Tone technology, the white balance automatically adjusts to match the color temperature of the light around you for a more natural viewing experience.

The Touch Bar places controls right at your fingertips and adapts to different apps to provide useful functions without having to navigate complex menus or memorize keyboard shortcuts. Replacing the function keys in the top row of the keyboard, the Touch Bar features a Retina-quality display and supports multi-touch input.

The power button has been upgraded with a Touch ID sensor, so you can quickly log into your MacBook Pro using your fingerprint. You can also use Touch ID to make purchases over the web, thanks to Apple Pay. Touch ID enables a quick, accurate reading of your fingerprint and uses sophisticated algorithms to recognize and match it with the Secure Enclave in the Apple T2 chip. It also brings "Hey Siri" function to the Mac.

The system features an 8th Gen Coffee Lake 2.9 GHz Intel Core i9 six-core processor, 32GB of 2400 MHz DDR4 onboard memory, a 4TB PCIe-based SSD, four Thunderbolt 3 (USB Type-C) ports, a Force Touch trackpad, a keyboard with a 2nd-gen butterfly mechanism, stereo speakers with double the dynamic range of its predecessor as well as improved bass, 802.11ac Wi-Fi, Bluetooth 5.0 wireless technology, and even a 3.5mm headphone jack. macOS High Sierra is the installed operating system.

Please note that this Mac may come with an earlier or later version of macOS. You can upgrade to the latest version through the Mac App Store app.

Features

True Tone Technology

With True Tone technology, the display and Touch Bar deliver a more natural viewing experience for design and editing workflows, as well as everyday tasks like browsing the web and writing email.

Apple T2 Chip

With the Apple T2 chip, the MacBook Pro delivers enhanced system security with support for secure boot and on-the-fly encrypted storage, and also brings "Hey Siri" to the Mac.

Touch Bar

The Touch Bar replaces the function keys that have long occupied the top of your keyboard with something much more versatile and capable. The multi-touch, Retina-quality display changes automatically based on what you're doing, from showing traditional system controls, such as volume and brightness, to more directly interacting with or browsing through content. Intelligent typing features like emoji and predictive text improve the typing experience, and you'll be able to customize the Touch Bar to fit your needs. The Touch Bar can also adapt to apps, such as Mail,

Safari, Messages, and even third-party apps like Adobe Photoshop, so you'll have access to useful functions previously hidden in menus.

Touch ID

A Touch ID sensor has been integrated into the power button, so you can quickly log into your account, even when another user is logged in. You can also use it with Apple Pay to securely purchase things over the web, thanks to macOS Sierra.

Retina Display

The 15.4" Retina Display has a 2880 x 1800 resolution and features brighter LED backlighting than its predecessor as well as an increased contrast ratio, delivering deeper blacks and brighter whites. Its larger pixel aperture and variable refresh rate make it more power efficient than previous generations. It also supports the P3 color gamut, which allows for more vibrant colors. This ensures true-to-life pictures with realistically vivid details, which are essential for graphic design, color grading, and editing.

Force Touch Trackpad

The Force Touch trackpad on the 15.4" MacBook Pro takes all the capabilities of multi-touch and adds force sensors that detect subtle differences in the amount of downward pressure you apply. This lets you have a deeper connection to your content, bringing more functionality right to your fingertip. It also introduces haptic feedback to MacBook Pro, allowing you not just to see what's happening on the screen, but to feel it. With multi-touch, you can use realistic gestures like swiping or pinching to switch between apps, navigate your content, and get the most out of your desktop space.

Thinner & Lighter

The 15.4" MacBook Pro features a redesigned enclosure design and all-metal unibody construction that creates a rigid and dense notebook that is also thin and light. At just 15.5 mm thin, the 15.4" MacBook Pro weighs just four pounds.

Audio

The speakers have been totally redesigned to provide as much as twice the dynamic range and up to 58 percent more volume, with two-and-a-half-times louder bass for maximum boom. Plus, they're connected directly to system power, enabling up to three times more peak power.

Thunderbolt 3

Thunderbolt 3 is a hardware interface that utilizes the reversible USB Type-C connector. Doubling the speed of its predecessor, Thunderbolt 3 features a maximum throughput of 40 Gb/s when used with compatible devices. The connector also transmits data via USB 3.1 at up to 10 Gb/s, and dual-bandwidth DisplayPort 1.2 allows you to connect up to two 4K displays simultaneously or one multi-panel 5K display. The Macbook Pro has four ports, with each pair using a dedicated bus.

Specs

Apple MacBook Pro Specs

Performance

Processor	Intel Core i9 6-Core
Base Clock Speed	2.9 GHz
Maximum Boost Speed	4.8 GHz
Total Installed Memory	32 GB
Memory Type	DDR4 SDRAM
Memory Speed	2400 MHz
Onboard Memory	32 GB
User-Replaceable Memory	<i>None</i>
Available Memory Slots	<i>None</i>
Graphics Type	Dedicated
GPU	AMD Radeon Pro 560X with 4 GB GDDR5 VRAM

Display

Panel Type	IPS
Size	15.4"
Aspect Ratio	16:10
Native Resolution	2880 x 1800
Touchscreen	<i>None</i>
Finish	Glossy
Maximum Brightness	500 cd/m ²
Refresh Rate	60 Hz

Drives

Available Slots	<i>None</i>
Total Capacity	4 TB
Solid State Storage	1 x 4 TB Integrated PCIe
Optical Drive	<i>None</i>

Input/Output Connectors

Ports	4 x Thunderbolt 3 via USB Type-C
Display	4 x DisplayPort via Type-C
Audio	1 x 1/8" (3.5 mm) Headphone Output 2 x Integrated Speaker 3 x Integrated Microphone
Expansion Slots	<i>None</i>
Media Card Slots	<i>None</i>

Communications

Network	<i>None</i>
Modem	<i>None</i>
Wi-Fi	Wi-Fi 5 (802.11ac)
Bluetooth	Bluetooth 5.0
Mobile Broadband	<i>None</i>
GPS	<i>None</i>
NFC	<i>None</i>
Webcam	User-Facing: 720p Video

Battery

Battery Chemistry	Lithium-Ion Polymer (LiPo)
Watt Hours / Type	83.6 Wh Non-Removable
Maximum Runtime	10 Hours
Power Requirements	100-240 VAC, 50-60 Hz
Power Supply	1 x 87 W

General

Operating System	macOS Mojave
Keyboard	Keys: 64 Type: Standard Notebook Keyboard Features: Backlight
Pointing Device	TouchPad
Dimensions (W x H x D)	13.8 x 0.6 x 9.5" / 35.1 x 1.5 x 24.1 cm
Weight	4.02 lb / 1.82 kg

Packaging Info

Package Weight	7.15 lb
Box Dimensions (LxWxH)	16.25 x 11.5 x 3.75"



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Authorized
Reseller



AppleCare
Protection Plan

Apple AppleCare+ Protection Plan Extension for 15" MacBook Pro (2-Year Extension)

B&H # AP56054LLA MFR # S6054LL/A

Availability: **IN STOCK**

\$379.00

- Extends Coverage to 3 Years Total
- Hardware & Software Support
- 24/7 Priority Access to Product Experts
- Accidental Coverage Support
- Global Repair Coverage

What's in the Box

Apple AppleCare+ Protection Plan Extension for 15" MacBook Pro (2-Year Extension)
Extended Hardware Repair Coverage
Extended Software Support
Extended Telephone Support

Apple S6054LL/A Overview

Overview

The AppleCare+ Protection Plan Extension for 15" MacBook Pro from Apple gives you peace of mind by extending your hardware, software, and telephone support coverage to 3-years total. AppleCare+ provides you with expert assistance, global repair coverage for your 15" MacBook Pro, and web-based resources and diagnostic tools. In addition to technical support, AppleCare+ also offers accidental coverage for up to 2 incidents throughout the warranty period. Each accidental damage incident is subject to a service fee, which varies on the type of damage reported; please visit the manufacturer's website for pricing details. With 24/7 access to product experts via phone or chat, you can get the support you need, day or night.

AppleCare+ can be purchased with your new Mac or within 60 from the original date of purchase.

Features

Telephone Support

The standard complimentary 90-day phone support is extended to a 3-year plan, giving you one number to call for all your technical questions.

Technical Support

Because Apple designs the computer, the operating system, and many applications, the Mac is a truly integrated system. And the AppleCare+ Protection Plan gives you one-stop service and support from Apple experts, so most issues can be resolved in a single call. You get:

- 24/7 priority access to Apple experts via chat or phone
- Global repair coverage
- Mail-in repair for portable computers: Mail in your Mac using a prepaid shipping box provided by Apple
- Carry-in repair: Take your Mac to an Apple Retail Store or other Apple Authorized Service Provider

Apple Hardware Coverage

AppleCare+ for Mac provides global repair coverage, both parts and labor, from Apple-authorized technicians around the world. Coverage includes the following Apple hardware coverage includes:

- Mac computer and battery
- Included accessories such as the power adapter
- Apple memory (RAM)
- AirPort
- Apple USB SuperDrive
- Coverage for up to two incidents of accidental damage, each subject to a service fee

Software Support Included

Whether you're in your home or office or on the go, you can get direct access to Apple experts for questions on a wide range of Mac topics, including:

- Using the macOS and iCloud
- Quick how-to questions about Apple-branded apps, such as Photos, iMovie, GarageBand, Pages, Numbers, Keynote, and more
- Connecting to printers and AirPort networks

Specs

Apple S6054LL/A Specs

Warranty

AppleCare+ for 15" MacBook Pro



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Authorized
Reseller

Apple Magic Wireless Keyboard with Numeric Keypad (Silver)

B&H # APMQ052LLA MFR # MQ052LL/A

Availability: **IN STOCK**

Reg. Price: \$129.99

Instant Savings: \$12.00

Limited supply at this price

\$117.99

- Wireless Bluetooth Connectivity
- Built-In Rechargeable Battery
- Scissor Mechanism for Keys
- Numeric Keypad
- Lightning to USB Cable Included
- Mac Compatible

What's in the Box

Apple Magic Wireless Keyboard with Numeric Keypad (Silver)
Lightning to USB Cable
Limited 1-Year Warranty

Apple MQ052LL/A Overview

Overview

The silver Apple Magic Wireless Keyboard with Numeric Keypad features an extended layout with document navigation and full-size arrow keys. The numeric keypad also allows for faster input of numbers, especially useful for spreadsheets and finance applications.

Each key features a scissor mechanism that allows for increased stability as well as optimized key travel. The low-profile design also provides a comfortable typing experience. The Magic Keyboard has a built-in battery that can power it for up to a month on a single charge (battery life may vary). When the battery is running low, you can recharge it with the included Lightning to USB cable.

Specs

Apple MQ052LL/A Specs

Keys

Number of Keys	109
Switch Type	Scissor
Key Rollover	<i>None</i>
Dedicated Multimedia Keys	Yes
Dedicated Macro Keys	<i>None</i>

Connectivity

Connection Type	Wireless
System Connection	USB Type-A
Wireless Connectivity	Bluetooth
USB Ports	<i>None</i>
Audio	<i>None</i>
Charging Input Type	Lightning
Full-Functionality DS Support	Mac

General

Backlight	No
Onboard Memory	<i>None</i>
Built-In Control Device	<i>None</i>
Wrist Rest	<i>None</i>

Power

Maximum Battery Life	1 Month
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Physical

Dimensions (L x W x H)	4.5 x 16.5 x 0.4" / 11.4 x 41.9 x 1.0 cm
Weight	0.9 lb / 0.4 kg

Packaging Info

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: B&H FOTO & ELECTRONICS CORP.

Authorized Signature: *[Handwritten Signature]* Date: 12/18/18

State of NEW YORK

County of NEW YORK, to-wit:

Taken, subscribed, and sworn to before me this 18th day of DECEMBER, 2018

My Commission expires 06/02/2019, 20

AFFIX SEAL HERE

HARRY K. WALDNER
Notary Public, State of New York
No. 01WA4631810
Qualified in Kings County
Commission Expires June 02, 2019

NOTARY PUBLIC

[Handwritten Signature]

ADDENDUM ACKNOWLEDGEMENT FORM

SOLICITATION NO.:

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification. Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

B&H Foto & Electronics Corp.

Company

nathan kirshman

Authorized Signature

1/3/19

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.