

Qualified Apple Mac Systems for Media Composer 2018.8

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System	GPU	Earliest MC Version Supported*	DNxIO DNxIQ DNxIV DNxID	Nitris DX	Mojo DX	Nexis	Notes**
Mac Desktops							
iMac Pro 27" 3.2 Ghz 8 core 3.0 Ghz 10 core 2.5 Ghz 14 core 2.3 Ghz 18 core Late 2017	Radeon Pro Vega 56 or 64	MC 8.10	TB3(USB-C) *1	Not Supported	TB3(USB-C) *1 *2	Yes	32 to 128 GB 2666 Mhz DDR4 Sonnet and Magma Thunderbolt 3 Expansion chassis supported
iMac Retina 5K 27" 4.2 Ghz i7 Quad core Mid 2017	Radeon Pro 570, 575, 580	MC 8.8	TB3(USB-C) *1	Not Supported	TB3(USB-C) *1 *2	Yes	8 to 64 GB 2400 Mhz DDR4
iMac Retina 4K 21.5" 3.6 Ghz i7 Quad core Mid 2017	Radeon Pro 555, 560	MC 8.8	TB3(USB-C) *1	Not Supported	TB3(USB-C) *1 *2	Yes	8 to 32 GB 2400 Mhz DDR4
iMac Retina 5K 27" 4.0 Ghz i7 Quad core Late 2015	Radeon M390, M395, M395X	MC 8.5	Thunderbolt 2 *3	Not Supported	Sonnet DX Thunderbolt Adapter Required*	Yes	8 to 32 GB 1867 Mhz DDR3
iMac Retina 4K 21.5" 3.3 Ghz i7 Quad core Late 2015	Intel Iris Pro 6200	MC 8.5	Thunderbolt 2 *3	Not Supported	Sonnet DX Thunderbolt Adapter Required*	Yes	8 or 16 GB 1867 Mhz DDR3
iMac Retina 5K 27" 4.0 Ghz i7 Quad core Late 2014	Radeon M290X, M295X	7.0.4	Thunderbolt 2 *3	Not Supported	Sonnet DX Thunderbolt Adapter Required*	Yes	8 to 32 GB 1600Mhz DDR3

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iMac 27" 3.5 Ghz i7 Quad core Late 2013	Nvidia GeForce GTX 775	6.5.4.1	Thunderbolt 2 *3	Not Supported	Sonnet DX Thunderbolt Adapter Required*	Yes	8 or 16 GB 1600Mhz DDR3 Memory
iMac 21.5" 3.1 Ghz i7 Quad core Late 2013	Nvidia GeForce GTX 750	6.5.4.1	Thunderbolt 2 *3	Not Supported	Sonnet DX Thunderbolt Adapter Required*	Yes	8 or 16 GB 1600Mhz DDR3 Memory
Mac Pro 3.5 Ghz 6- core, 3.0 Ghz 8- core, or 2.7 Ghz 12- core Ivy Bridge CPU Late 2013	Dual AMD FirePro D300, D500, D700	6.5.4.1 or 7.0.3	Thunderbolt 2 *3	Sonnet DX Thunderbolt Adapter Required* see Config guide for limitations	Sonnet DX Thunderbolt Adapter Required*	Yes	16, 32 or 64 GB DDR3- 1866Mhz ECC memory (4 DIMMs required) Sonnet and Magma Thunderbolt 2 Expansion chassis supported
Mac mini 2.6/2.8GHz dual core Intel i5 or 3.0 Ghz dual core i7 Late 2014	Intel HD 5000	NOT SUPPORTED CPU does not meet min specs	No	No	No	No	N/S

Note – none of the Mac Minis are on the qualified list – either too old or do not meet min specs of quad core i7

System	GPU	Earliest MC Version Supported*	DNxIO DNxIQ DNxIV DNxID	Mojo DX	Nexis	Notes**
Mac laptops						
MacBook Pro 15" 2.2 Ghz and higher i7/i9 six core Mid 2018 - Touch Bar & Thunderbolt 3	UHD630 AMD Radeon Pro 555X, 560X	MC 2018.8	TB3(USB-C) *1	TB3(USB-C) *1*2	Yes Apple TB to GbE adapter or Caldigit USB-C dock	16 to 32 GB 2400Mhz DDR4 Memory Touch Bar not used by MC
MacBook Pro 13" 2.7 Ghz quad core Intel core i7 Mid 2018 - Touch Bar & Thunderbolt 3	Intel Iris Plus 655	MC 2018.8	TB3(USB-C) *1	TB3(USB-C) *1*2	Yes Apple TB to GbE adapter or Caldigit USB-C dock	8 to 16 GB 2133Mhz LPDDR3 Memory Touch Bar not used by MC
MacBook Pro 15" 2.8 Ghz and higher i7 quad core Mid 2017 - Touch Bar & Thunderbolt 3	HD630 AMD Radeon Pro 555, 560	MC 8.8	TB3(USB-C) *1	TB3(USB-C) *1*2	Yes Apple TB to GbE adapter or Caldigit USB-C dock	16 GB 2133Mhz LPDDR3 Memory Touch Bar not used by MC
MacBook Pro 15" 2.6 Ghz and higher i7 quad core Late 2016 - Touch Bar & Thunderbolt 3	HD530 AMD Radeon 450,455, 460	MC 8.8	TB3(USB-C) *1	TB3(USB-C) *1*2	Yes Apple TB to GbE adapter or Caldigit USB-C dock	16 GB 2133Mhz DDR4 Memory Touch Bar not used by MC
MacBook Pro 15" 2.2 Ghz and higher i7 quad core Mid 2015 - Retina & Thunderbolt	HD5000 AMD Radeon M370X	7.0.4	Thunderbolt 2 *3	Sonnet DX Thunderbolt Adapter Required*	Yes with Apple Thunderbolt Ethernet Adapter	16 GB 1600Mhz DDR3L Memory
MacBook Pro 15" 2.3 Ghz and higher i7 quad core Retina Late 2013 and Mid 2014	Nvidia GeForce GT 750M & Intel HD5000	6.5.4.1 or 7.0.3	Thunderbolt 2 *3	Sonnet DX Thunderbolt Adapter Required*	Yes with Apple Thunderbolt Ethernet Adapter	8 or 16 GB 1600Mhz DDR3L Memory

*Note: The Avid branded [DX Thunderbolt Adapter](#) is still supported, just no longer available for purchase. Buy Sonnet DX TB adapter instead.

** Dual-core i7 processors are only qualified for limited functionality and not supported for Media Composer | Cloud. These processors are recommended for cuts only editing with minimum effects and layers. Workflows involving HD baseband capture, Background Transcode, Dynamic Media Folders, Long GOP media editing, XAVC, J2k, full-frame stereoscopic 3D, FrameFlex 4k, Raw format AMA plug-ins and other high-performance workflows will not be supported.

***1 TB3 (USB-C) to TB2 adapter required for DNxIO or Mojo DX**

***2 Avid TB2 to PCIe adapter required for Mojo DX**

***3 Apple TB2 to TB3 adapter required for DNxIQ or DNxIV**

3rd Party Open IO Supported Hardware: Each vendor qualifies their own hardware to work with various host CPUs. For updated lists of supported 3rd party hardware configurations visit the vendor's website. See the [Open IO Frequently Asked Questions on the Knowledge Base for links to their websites.](#)

Configuration Guides: http://avid.force.com/pkb/articles/en_US/user_guide/en269631

Mac Minimum Specifications

Mac OS X

- **Computer:** [Avid-qualified Mac-based computer](#)
- **OS:** Mac OS X High Sierra (10.13), Sierra (10.12), El Capitan (10.11)

Processor:

- Intel quad-core i7 or Intel Quad Core Xeon (with Turbo boost – 8 virtual CPU cores) – 2.3 Ghz or higher

➤ Memory:

- More is better (see Media Cache settings in MC)
- 8 GB RAM minimum
- 16+ GB RAM minimum required to support [Media Composer | Cloud](#), background transcoding/render, Dynamic Media Folders, full-frame stereoscopic 3D, FrameFlex 4K workflows, Raw format AMA plug-ins, Long GOP media editing, and other high-performance workflows
- RAM listed is what Avid tested as part of the qualification process. Adding more memory is supported as long as it adheres to the manufacturer's recommendation

➤ Graphics card¹:

- NVIDIA GeForce family, Intel on chip graphics, ATI Radeon or AMD Radeon Pro
- Graphics and driver must be supported by Apple

Rev 18 Sept 18, 2018 http://avid.force.com/pkb/articles/en_US/compatibility/en422411

➤ **Internal hard drive:**

- Minimum 500 GB 7200 rpm SATA drive or 256 GB SSD

Revision	Rev	Change
5/11/2014	1	Initial rev
11/21/2014	2	Mac OSX 10.10 (Yosemite) performance notes for 12-core Ivy Bridge and dual 6-core Westmere
12/2/2014	3	Changes for MC 8.3 release
2/3/2015	4	Sonnet DX Thunderbolt Adapter available
3/6/2015	5	iMac Retina 5K qualification, Mac Pro “Ivy Bridge” GPU update
3/25/2015	6	MC Cloud specs, high-core Yosemite Note update
8/21/2015	7	2015 MacBook Pro update
9/2/2015	8	DNxIO Qualifications
9/25/2015	9	Removed Thunderbolt 1 machines from DNxIO qualification column
6/1/2016	10	Added support both the 5k 27” and 4k 21” iMac
6/30/2016	11	Removed iMac 21.5, Mac Book Pro 15” and 17” early model 2011
2/16/2017	12	Added MacBook Pro 15”
5/11/2017	13	Updated Mac Pro Ivy Bridge added DNxIQ.
7/23/2017	14	Added Mac Pro 2017 iMac Retina 5k, 4k
11/13/2017	15	Updates for MC 8.9.4 – add DNxIV
2/7/2018	16	Add iMac Pro
7/7/2018	17	Remove old systems
8/21/2018	18	Add new Mac Book Pro models