

Qualified Apple Mac Systems for Media Composer 2020.4

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| System | GPU | Earliest MC Version Supported | DNxIO/IQ DNxIV/IP DNxID | Nitris DX | Mojo DX | Nexis | Notes** |
|--|--|-------------------------------|-------------------------------|-------------------------|-------------------------|---|--|
| Mac Desktops | | | | | | | |
| Mac Pro 2019 3.5 Ghz 8 core 3.3 Ghz 12 core 3.2 Ghz 16 core 2.7 Ghz 24 core 2.5 Ghz 28 core | AMD Radeon Pro 580X, W5700X, Pro Vega II | MC 2020.4 Catalina OS | TB3(USB-C) *1 | N/S with Catalina OS | N/S with Catalina OS | Nexis 20.3 min for Catalina - No Isis Support | 48 to 192 GB 2933 Mhz DDR4 Memory Dual 10Gb Ethernet RJ45 (No Isis support) |
| iMac Retina 5K 27" 3.6 Ghz 8-core Intel i9 March 2019 | AMD Radeon Pro 575X, 580X, Vega 48 | MC 2018.10 | TB3(USB-C) *1 | Not Supported | TB3(USB-C) *1 *2 | Yes | 16 to 64 GB 2666 Mhz DDR4 |
| iMac Retina 4K 21.5" 3.2 Ghz 6-core Intel i7 March 2019 | AMD Radeon Pro 560X, Vega 20 | MC 2018.10 | TB3(USB-C) *1 | Not Supported | TB3(USB-C) *1 *2 | Yes | 16 to 32 GB 2666 Mhz DDR4 |
| Mac mini 3.2 Ghz 6-core Intel i7 Late 2018 | Intel UHD 630 | MC 2018.10 | TB3(USB-C) *1 | Not Supported | TB3(USB-C) *1 *2 | Nexis 18.6 min - No Isis Support | 8 to 64 GB 2666 Mhz DDR4 Memory 10Gb Ethernet RJ45 |
| 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 | AMD Radeon Pro Vega 56, 64, 64X | MC 8.10 | TB3(USB-C) *1 | Not Supported | TB3(USB-C) *1 *2 | Nexis 18.6 min - No Isis Support | 32 to 256 GB 2666 Mhz DDR4 10Gb Ethernet RJ45 |
| iMac Retina 5K 27" 4.2 Ghz i7 Quad core Mid 2017 | AMD 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 |

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|---|--------------------------------------|-------------------------------|-------------------------------|--|---|-------|--|
| iMac Retina 4K 21.5" 3.6 Ghz i7 Quad core Mid 2017 | AMD 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 | AMD 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 |
| 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 |

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|---|--|--------------------------------|-------------------------------|-------------------------|---|---|
| Mac laptops | | | | | | |
| MacBook Pro 16" 2019 2.6 Ghz i7 6-core or 2.3, 2.4 Ghz i9 8-core Thunderbolt 3 | AMD Radeon Pro 5300M, 5500M | MC 2020.4 Catalina OS | TB3(USB-C) *1 | N/S with Catalina OS | Nexis 20.3 min Apple TB to GbE adapter or USB-C dock | 16 to 64 GB 2666Mhz DDR4 Memory Touch Bar not used by MC |
| MacBook Pro 15" 2.6 Ghz i7 6-core or 2.3/2.4 Ghz i9 8-core Mid 2019 - Touch Bar & Thunderbolt 3 | Intel UHD630 AMD Radeon Pro 555X, 560X, Vega 16,20 | MC 2018.12 | TB3(USB-C) *1 | TB3(USB-C) *1*2 | Yes Apple TB to GbE adapter or USB-C dock | 16 to 32 GB 2400Mhz DDR4 Memory Touch Bar not used by MC |
| MacBook Pro 13" 2.8 Ghz quad core Intel core i7 Mid 2019 - Touch Bar & Thunderbolt 3 | Intel Iris Plus 655 | MC 2018.12 | TB3(USB-C) *1 | TB3(USB-C) *1*2 | Yes Apple TB to GbE adapter or USB-C dock | 16 GB 2133Mhz LPDDR3 Memory Touch Bar not used by MC |
| MacBook Pro 15" 2.2 Ghz and higher i7/i9 six core Mid 2018 - Touch Bar & Thunderbolt 3 | Intel UHD630 AMD Radeon Pro 555X, 560X | MC 2018.10 | TB3(USB-C) *1 | TB3(USB-C) *1*2 | Yes Apple TB to GbE adapter or 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 2018.10 | TB3(USB-C) *1 | TB3(USB-C) *1*2 | Yes Apple TB to GbE adapter or 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 | Intel 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 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 & TB 3 | Intel 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 USB-C dock | 16 GB 2133Mhz DDR4 Memory Touch Bar not used by MC |

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|---|----------------------------------|--------------------------------|-------------------------------|--|------------------------------------|----------------------------|
| MacBook Pro 15" 2.2 Ghz and higher i7 quad core Mid 2015 TB 2 | Intel HD5000 AMD Radeon M370X | 7.0.4 | Thunderbolt 2 *3 | Sonnet DX TB Adapter <u>Required*</u> | Yes with Apple TB Ethernet Adapter | 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.

**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, DNxIV, DNxID, or DNxIP*

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

Computer: [Avid-qualified Mac-based computer](#)

Mac OS X

- Catalina (10.15) – Requires MC 2020.4 or later
- Mojave (10.14) – Requires MC 2018.10 or later
- High Sierra (10.13)
- Sierra (10.12) - NOT supported with MC 2020.x

Processor:

- Intel core i7, i9 or Xeon (with hyper-threading – 4C/8T, 6C/12T or 8C/16T or higher) – 2.3 Ghz or higher

Memory: (More is better – see Media Cache settings in MC)

- 16 GB RAM minimum required to support Interplay or Media Central, background transcoding, Dynamic Media Folders, full-frame stereoscopic 3D, FrameFlex 4K workflows, Raw format AMA plug-ins, Long GOP media editing, and other high-performance HD workflows
- 32+ GB RAM minimum required to support Media Composer |Cloud, UHD/4k/8k Media Editing and other high performance UHD workflows.
- 8 GB RAM minimum for basic standalone MC First with minimal effects (no interplay or Media Central) – SD/HD projects – not recommended (may hang on Mac OS)
- 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 card:

- Only Apple option graphics cards: AMD Radeon Pro or FirePro, NVIDIA GeForce family, Intel on chip graphics
- Graphics and driver must be supported by Apple

Internal hard drive:

- Minimum 256 GB SSD, M.2 or nVMe or slower 500 GB 7200 rpm SATA drive

| 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 |
| 9/21/2018 | 19 | Updated iMac Pro Nexis support columns |
| 12/5/2018 | 20 | Add 2018 Mac Mini |
| 5/5/2019 | 21 | Remove old systems |
| 7/23/2019 | 22 | Add 2019 Mac Book Pros |
| 4/14/2020 | 23 | Add Mac Pro 2019, MBP 16” with MacOS 10.15 (Catalina) |