# *Pegasus2 R4 / R6 / R8 / M4 Compatibility List V3.3*

Date: 12/26/2017

## Document History:

- **V1.0:**
  - SATA Hard Drive: 5Q'ty
  - Host System 12Q'ty
  - Operating System: 2Q'ty
- **V1.1:**
  - Add monitor/display: 5Q'ty
  - Add host systems: 3Q'ty
- **V2.0:** Add Pegasus2 M4 support
  - Add SATA Hard Drive for Pegasus2 M4: 1Q'ty
  - Add monitor/display: 2Q'ty
  - Add Mac host systems: 1Q'ty
  - Add Windows OS:6Q'ty
  - Add Windows host:5Q'ty
- **V2.1:**
  - Add HGST HDD
  - Add Mac OS 10.9.4
- **V2.2:**
  - Add Samsung SSD
  - Add Mac driver 5.2.10 (OS10.10)
  - Add Mac OS 10.9.5
  - Add Mac OS 10.10
- **V2.3:**
  - Add Toshiba MQ01ABD100 FW:AX1P1A
- **V2.4:**
  - Add Seagate ST3000DM001 FW:CC45
  - Add Samsung 840 EVO SSD MZ-7TE1T0 FW: EXT0CB6Q
  - Add Macmini7.1
  - Add Mac OS 10.10.1
- **V2.5:**
  - Add Toshiba MD04ACA400 FW:FP2A
  - Add Toshiba MQ01ABB200 FW:AY000U
  - Add iMac15.1
  - Add Mac OS 10.10.2
- **V2.51:**
  - Correct Samsung 840EVO model name
- **V2.6:**
  - Add Toshiba MQ01ABD100 FW:AX1C1A
  - Remove Toshiba MQ01ABB200 FW:AY000U
  - Add Mac OS 10.10.3
- **V2.7: (SR2.4)**
  - Add Toshiba MD04ACA600 FW:FS2A
- **V2.8: (SR2.42)**
  - Add Gigabyte MB
  - Add Windows10 support
  - Add Mac OS 10.10.4 & 10.10.5
  - Remove Toshiba 1TB
- **V2.9:**
  - Add Mac OS 10.11
- ***V2.10:***
  - Update software package
  - Add Mac OS 10.11.2 / 10.11.3
- ***V2.11:***
  - Add Samsung SSD
  - Add Mac OS 10.11.6 / 10.12
- ***V3.0: (SR3.0.2)***
  - Add Toshiba HDD
  - Add Mac OS 10.12.2 / 10.12.3
  - Add Thunderbolt3 platform with adapter support

- ***V3.1: (SR3.0.4)***
  - Add Mac OS 10.12.5 / 10.12.6
  - Add Samsung SSD
  - Add Thunderbolt3 platform with adapter support
- ***V3.2:***
  - Add Mac OS 10.13
- ***V3.3: (SR3.0.6)***
  - Add 4 HDDs
  - Update utility

## Compatibility list included versions in this build are:

Firmware: 5.04.0000.56 / 5.04.0000.57 / 5.04.0000.61
Software: Mac: 3.18.0000.36 / 3.20.0000.11 / 3.20.0000.15 / 4.00.0000.07 / 4.00.0000.08 / 4.02.0000.12
Windows: 1.04.0000.19 / 1.04.0000.21 / 2.00.0000.19 / 2.00.0000.20 / 2.02.0000.12
Driver: Mac : 5.1.64 / 5.1.66 / 5.2.7 / 5.2.10
Windows: 5.2.0.22 / 5.2.0.23 (For Windows10 only) / 6.0.0.6 / 6.2.0.6

**DEVICE COMPATIBILITY NOTE:**
Basic compatibility between the third party devices and Promise devices has been verified in typical configurations, unless otherwise stated.
The EOL of third party device may not be in the current list, users can refer to previous Promise compatibility lists to get the results of those tests.

**DISCLAIMERS:**
Only the versions available at time of testing have been verified, as listed.
Corner cases may exist depending on user configuration etc.
Individual third party units may exhibit problems that did not show up in the Promise test process. Published performance is not assured with configuration deviations.
Some listed devices may go EOL. AVL listing does not imply market availability.

## 1. SATA Hard Drives – For Pegasus2 R4/R6/R8 (Only supported on Promise drive-integrated Pegasus2 models)

| NO. | Vendor | Drive Family | Model | Capacity | Firmware | Transfer-Rate | Form Factor | SATA/SSD | Shipped with |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Seagate | Barracuda | ST3000DM001 | 3TB | CC43 | 6Gbs | 3.5" | SATA | R6 / R8 |
| 2 | | Barracuda | ST3000DM001 | 3TB | CC45 | 6Gbs | 3.5" | SATA | R6 / R8 |
| 3 | | Barracuda | ST4000DM000 | 4TB | CC52 | 6Gbs | 3.5" | SATA | R8 |
| 4 | Toshiba | DT01ACAxxx | DT01ACA200 | 2TB | MX4OABB0 | 6Gbs | 3.5" | SATA | R4 |
| 5 | | DT01ACAxxx | DT01ACA300 | 3TB | MX6OABB0 | 6Gbs | 3.5" | SATA | R4 / R6 / R8 |
| 6 | | MD04ACAxxx | MD04ACA400 | 4TB | FP2A | 6Gbs | 3.5" | SATA | R6 / R8 |
| 7 | | MD04ACAxxx | MD04ACA600 | 6TB | FS2A | 6Gbs | 3.5" | SATA | R8 |
| 8 | | MG04ACA | MG04ACA300E | 3TB | FP3B | 6Gbs | 3.5" | SATA | |
| 9 | | | MG04ACA400E | 4TB | FP3B | 6Gbs | 3.5" | SATA | |
| 10 | | | MG04ACA600E | 6TB | FS3B | 6Gbs | 3.5" | SATA | |
| 11 | HGST | DESKSTAR NAS | HDN724040ALE640 | 4TB | MJAOA5E0 | 6Gbs | 3.5" | SATA | R8 |
| 12 | Toshiba | MG05ACA | MG05ACA800E | 8TB | GX1A | 6Gbs | 3.5" | SATA | |
| 13 | Seagate | Ironwolf | ST1000VN004 | 10TB | SC60 | 6Gbs | 3.5" | SATA | |

- Some listed devices may go EOL. AVL listing does not imply market availability.
- Drives are listed in which systems they were tested in and shipped with. Drives should work in all systems but are untested in some models.

## 2. SATA Hard Drives – For Pegasus2 M4

| NO. | Vendor | Drive Family | Model | Capacity | Firmware | Transfer-Rate | Form Factor | SATA/SSD |
|---|---|---|---|---|---|---|---|---|
| 1 | Toshiba | MQ01ABDxxx | MQ01ABD100 | 1TB | AX001A | 3Gbs | 2.5" | SATA |
| 2 | Samsung | 840 EVO | MZ-7TE500 | 500GB | EXT0BB6Q | 6Gbs | 2.5” | SSD |
| 3 | Samsung | 840 EVO | MZ-7TE500 | 500GB | EXT0CB6Q | 6Gbs | 2.5” | SSD |
| 4 | Toshiba | MQ01ABDxxx | MQ01ABD100 | 1TB | AX1P1A | 3Gbs | 2.5" | SATA |
| 5 | Toshiba | MQ01ABDxxx | MQ01ABD100 | 1TB | AX1C1A | 3Gbs | 2.5" | SATA |
| 6 | Samsung | 850 EVO | MZ-75E1T0 | 1TB | EMT02B6Q | 6Gbs | 2.5” | SSD |
| 7 | Samsung | 850 EVO | MZ-75E2T0 | 2TB | EMT02B6Q | 6Gbs | 2.5” | SSD |
| 8 | Samsung | 850 EVO | MZ-75E500 | 500GB | EMT02B6Q | 6Gbs | 2.5” | SSD |
| 9 | Toshiba | MQ01ABDxxx | MQ01ABD100M | 1TB | AX101U | 3Gbs | 2.5" | SATA |
| 10 | Samsung | 850 EVO | MZ-75E500 | 500GB | EMT0386Q | 6Gbs | 2.5” | SSD |

- Some listed devices may go EOL. AVL listing does not imply market availability.

## 3. R4 Diskless (using older Mac Pro drives)

| NO. | Vendor | Drive Family | Model | Capacity | Firmware | Transfer-Rate | Form Factor | SATA/SSD |
|---|---|---|---|---|---|---|---|---|
| 1 | Hitachi | Deskstar 7K2000 | HDS722020ALA330 | 2TB | JKAOA28A | 3Gbs | 3.5" | SATA |
| 2 | | Ultrastar A7K2000 | HUA722010CLA330 | 1TB | JP4OA3EA | 3Gbs | 3.5" | SATA |
| 3 | | Ultrastar A7K2000 | HUA722020ALA330 | 2TB | JKAOA20N | 3Gbs | 3.5" | SATA |
| 4 | WDC | Caviar Blue | WD6400AAKS-41H2B0 | 640GB | 01.03B01 | 3Gbs | 3.5" | SATA |
| 5 | | Caviar Black | WD1001FALS-41K1B0 | 1TB | 05.00K05 | 3Gbs | 3.5" | SATA |

Some listed devices may go EOL. AVL listing does not imply market availability.

## 4. Mac System

| NO. | Model Name | Model Identifier |
|---|---|---|
| 1 | MacBook Pro 13-inch, Late 2011 | MacBookPro8.1 |
| 2 | MacBook Pro 15-inch, Early 2011 | MacBookPro8.2 |
| 3 | MacBook Pro 17-inch | MacBookPro8.3 |
| 4 | MacBook Pro 13-inch, Mid 2012 | MacBookPro9.1 |
| 5 | MacBook Pro 15-inch, Mid 2012 | MacBookPro9.2 |
| 6 | MacBook Air 13-inch, Mid 2013 | MacBookAir6.2 |
| 7 | Mac mini, 2011 | Macmini5.2 |
| 8 | iMac 21.5-inch, Mid 2011 | iMac12.1 |
| 9 | iMac 27-inch, Mid 2011 | iMac12.2 |
| 10 | iMac 27-inch, Late 2012 | iMac13.2 |
| 11 | MacBook Pro Retina, Mid 2012 | MacBookPro10.1 |
| 12 | MacBook Pro Retina, Mid 2013 | MacBookPro10.2 |
| 13 | MacBook Pro Retina 13-inch, Late 2013 | MacBookPro11.1 |
| 14 | MacBook Pro Retina 15-inch, Late 2013 | MacBookPro11.2 |
| 15 | MacBook Pro Retina 15-inch, Late 2013 | MacBookPro11.3 |
| 16 | Mac Pro, Late 2013 | MacPro6.1 |
| 17 | Mac mini, Late 2014 | Macmini7.1 |
| 18 | iMac(Retina 5K,27-inch, Late 2014) | iMac15.1 |
| 19* | MacBook Pro (13-inch, Late 2016, Two Thunderbolt 3 ports) | MacBookPro13.1 |
| 20* | MacBook Pro (13-inch, 2016, four Thunderbolt 3 ports) | MacBookPro13.2 |
| 21* | MacBoo Pro (15-inch,2016) | MacBookPro13.3 |
| 22* | MacBoo Pro (15-inch,2017) | MacBookPro14.3 |
| 23* | iMac(Retina 5K,27-inch,2017) | iMac18.3 |

*Connect through Apple Thunderbolt 3 (USB-C) to Thunderbolt 2 Adapter

## 5. Windows Motherboard/System

| NO. | Vender | Model Name | SBIOS version | PCB version | Type |
|---|---|---|---|---|---|
| 1 | Gigabyte | GA-Z87X-UD7 TH | F3 | 2.0 | MB |
| 2 | ASUS | Z87-DELUXE/QUAD | 18.2 | 1.01 | MB |
| 3 | HP | Z1 | 1.1 | NA | PC |
| 4 | Gigabyte | GA-Z77X-UD4 TH | F10b | 1.0 | MB |
| 5 | Intel | DZ77RE-75K | GAZ7711H.86A.0066.2013.0521.1509 | NA | MB |
| 6 | Gigabyte | GA-Z97X-UD7 TH | F1 | 1.1 | MB |
| 7 | Gigabyte | GA-X99-Gaming 5P | F1 | 1.0 | MB |
| 8* | HP | Z1 G3 Workstation | N52 01.07 | NA | MB |
| 9* | HP | ZBOOK Studio G3 | N82 Ver 01.04 | NA | MB |
| 10* | DELL | ALIENWARE 13 | 1.2.15 | NA | MB |
| 11* | DELL | Preceision 5510 | 1.2.16 | NA | MB |
| 12* | GIGABYTE | GA-Z170X-Gaming G1 | F7 | 1.0 | MB |
| 13* | GIGABYTE | GA-Z170X-Gaming7 | F20 | 1.0 | MB |

*Connect through Startec Thunderbolt 3 to Thunderbolt 2 Adapter

Compatibility tests on motherboards for Windows systems were conducted using a single Pegasus 2 series, without daisy-chaining multiple Pegasus units.

## 6. Mac Operating System

| NO. | Operating System |
|---|---|
| 1 | Mac OS 10.8.5 |
| 2 | Mac OS 10.9 |
| 3 | Mac OS 10.9.2 |
| 4 | Mac OS 10.9.4 |
| 5 | Mac OS 10.9.5 |
| 6 | Mac OS 10.10 |
| 7 | Mac OS 10.10.1 |
| 8 | Mac OS 10.10.2 |
| 9 | Mac OS 10.10.3 |
| 10 | Mac OS 10.10.4 |
| 11 | Mac OS 10.10.5 |
| 12 | Mac OS 10.11 |
| 13 | Mac OS 10.11.2 |
| 14 | Mac OS 10.11.3 |
| 15 | Mac OS 10.11.6 |
| 16 | Mac OS 10.12 |
| 17 | Mac OS 10.12.2 |
| 18 | Mac OS 10.12.3 |
| 19 | Mac OS 10.12.5 |
| 20 | Mac OS 10.12.6 |
| 21 | Mac OS 10.13 |

## 7. Adapter

| No | Vendor | Model |
|---|---|---|
| 1 | Apple* | Thunderbolt 3 (USB-C) to Thunderbolt 2 Adapter |
| 2 | Startec | Thunderbolt 3 to Thunderbolt 2 Adapter |

*Apple Thunderbolt 3 (USB-C) to Thunderbolt 2 Adapter is only compatible with Mac system.

## 8. Windows Operating System

| NO. | Operating System |
|---|---|
| 1 | Windows 7 SP1x86 |
| 2 | Windows 7 SP1x64 |
| 3 | Windows 8 x86 |
| 4 | Windows 8 x64 |
| 5 | Windows 8.1 x86 |
| 6 | Windows 8.1 x64 |
| 7 | Windows 10 x86 |
| 8 | Windows 10 x64 |

# 9. Display / Monitor

- Thunderbolt Port

| No | Vendor | Model | Adapter | Mac | Note |
|---|---|---|---|---|---|
| 1 | APPLE | Apple Thunderbolt | N/A | MacPro6.1 | |
| | | | | iMac 21.5” (iMac12.1) | Note1 |
| | | | | MacBook Pro 15” (MacBookPro8.2) | Note1 |
| | | | | MacBook Pro Retina 15” (MacBookPro10.1) | |
| | | | | MacBook Air 13” (MacBookAir6.2) | |
| | | | | MacBook Pro Retina 13” (MacBookPro11.1) | |

Compatibility of this display is good but there are minor issues, as listed below. Pegasus2 and/or features were not affected.
Note 1: Sometimes display does not resume when restart host.

- Mini-Display Port

| No | Vendor | Model | Adapter | Mac | Note |
|---|---|---|---|---|---|
| 1 | APPLE | Apple LED Cinema | N/A | iMac 21.5” (iMac12.1) | Note1 |
| | | | | MacBook Pro 15” (MacBookPro8.2) | Note1 |
| | | | | MacBook Pro Retina 15” (MacBookPro10.1) | |
| | | | | MacBook Air 13” (MacBookAir6.2) | |
| | | | | MacBook Pro Retina 13” (MacBookPro11.1) | |

Compatibility of this display is good but there are minor issues, as listed below. Pegasus2 and/or features were not affected.
Note 1: Sometimes display does not resume when restart host.

- Mini-Display Port to Display Port

| No | Vendor | Model | Adapter | Mac | Note |
|---|---|---|---|---|---|
| 1 | DELL | UltraSharp U3011T | DP to miniDP Dongle | iMac 21.5" (iMac12.1) | |
| | | | | MacBook Pro 15" (MacBookPro8.2) | |
| | | | | MacBook Pro Retina 15" (MacBookPro10.1) | |
| | | | | MacBook Air 13" (MacBookAir6.2) | |
| | | | | MacBook Pro Retina 13" (MacBookPro11.1) | |
| 2 | ASUS | PA238Q | DP to miniDP Dongle | iMac 21.5" (iMac12.1) | |
| | | | | MacBook Pro 15" (MacBookPro8.2) | |
| | | | | MacBook Pro Retina 15" (MacBookPro10.1) | |
| | | | | MacBook Air 13" (MacBookAir6.2) | |
| | | | | MacBook Pro Retina 13" (MacBookPro11.1) | |
| 3 | Sharp | PN-K321 | DP to miniDP Dongle | iMac 27" (iMac13.2) | |
| | | | | MacBook Pro 15" (MacBookPro8.3) | |
| | | | | MacPro6.1 | |
| 4 | DELL | U2913WM | DP to miniDP cable | MacBook Pro Retina 15" (MacBookPro10.1) | |
| | | | | MacBook Pro 15" (MacBookPro8.3) | |
| | | | | MacPro6.1 | |

- Mini-Display Port to D-SUB

| No | Vendor | Model | Adapter | Mac | Note |
|---|---|---|---|---|---|
| 1 | DELL | UltraSharp U3011T | APPLE A1307 | iMac 21.5”<br>(iMac12.1) | |
| | | | | MacBook Pro 15”<br>(MacBookPro8.2) | |
| | | | | MacBook Pro Retina 15”<br>(MacBookPro10.1) | |
| | | | | MacBook Air 13”<br>(MacBookAir6.2) | |
| | | | | MacBook Pro Retina 13”<br>(MacBookPro11.1) | |
| 2 | ASUS | PA238Q | APPLE A1307 | iMac 21.5”<br>(iMac12.1) | |
| | | | | MacBook Pro 15”<br>(MacBookPro8.2) | |
| | | | | MacBook Pro Retina 15”<br>(MacBookPro10.1) | |
| | | | | MacBook Air 13”<br>(MacBookAir6.2) | |
| | | | | MacBook Pro Retina 13”<br>(MacBookPro11.1) | |
| 3 | SEIKI | SE39UY04 | APPLE A1307 | MacPro6.1 | |
| | | | | iMac 21.5”<br>(iMac12.1) | |
| | | | | MacBook Pro 15”<br>(MacBookPro8.2) | |
| | | | | MacBook Pro Retina 15”<br>(MacBookPro10.1) | |
| | | | | MacBook Air 13”<br>(MacBookAir6.2) | |
| | | | | MacBook Pro Retina 13”<br>(MacBookPro11.1) | |
| 4 | DELL | U2913WM | DP to miniDP cable | MacBook Pro Retina 15”<br>(MacBookPro10.1) | |
| | | | | MacBook Pro 15”<br>(MacBookPro8.3) | |
| | | | | MacPro6.1 | |

- Mini-Display Port to DVI

| No | Vendor | Model | Adapter | Mac | Note |
|---|---|---|---|---|---|
| 1 | DELL | UltraSharp U3011T | APPLE A1305 | iMac 21.5”<br>(iMac12.1) | Note1<br>Note2 |
| | | | | MacBook Pro 15”<br>(MacBookPro8.2) | Note1<br>Note2 |
| | | | | MacBook Pro Retina 15”<br>(MacBookPro10.1) | Note1<br>Note2 |
| | | | | MacBook Air 13”<br>(MacBookAir6.2) | |
| | | | | MacBook Pro Retina 13”<br>(MacBookPro11.1) | |
| 2 | ASUS | PA238Q | APPLE A1305 | iMac 21.5”<br>(iMac12.1) | Note3 |
| | | | | MacBook Pro 15”<br>(MacBookPro8.2) | |
| | | | | MacBook Pro Retina 15”<br>(MacBookPro10.1) | |
| | | | | MacBook Air 13”<br>(MacBookAir6.2) | |
| | | | | MacBook Pro Retina 13”<br>(MacBookPro11.1) | |

Compatibility of this display is good but there are minor issues, as listed below. Pegasus2 and/or features were not affected.
Note1: Noise sometimes occurs when the monitor display resumes.
Note2: Display resolution list are different between through host and through Pegasus2.
Note3: 1 second noise sometimes occurs before the monitor display resumes.

- Mini-Display Port to HDMI

| No | Vendor | Model | Adapter | Mac | Note |
|---|---|---|---|---|---|
| 1 | DELL | UltraSharp U3011T | Moshi Adapter | iMac 21.5" (iMac12.1) | |
| | | | | MacBook Pro 15" (MacBookPro8.2) | |
| | | | | MacBook Pro Retina 15" (MacBookPro10.1) | |
| | | | | MacBook Air 13" (MacBookAir6.2) | |
| | | | | MacBook Pro Retina 13" (MacBookPro11.1) | |
| 2 | ASUS | PA238Q | Moshi Adapter | iMac 21.5" (iMac12.1) | |
| | | | | MacBook Pro 15" (MacBookPro8.2) | Note1 |
| | | | | MacBook Pro Retina 15" (MacBookPro10.1) | |
| | | | | MacBook Air 13" (MacBookAir6.2) | |
| | | | | MacBook Pro Retina 13" (MacBookPro11.1) | |
| 3 | SEIKI | SE39UY04 | Lenovo TYPE2-PS8402A Adapter | iMac 21.5" (iMac12.1) | Note2 Note3 |
| | | | | MacBook Pro 15" (MacBookPro8.2) | Note2 Note4 |
| | | | | MacBook Pro Retina 13" (MacBookPro10.2) | |
| | | | | MacBook Air 13" (MacBookAir6.2) | |
| | | | | MacBook Pro Retina 13" (MacBookPro11.1) | Note5 |
| 4 | Sharp | PN-K321 | Lenovo TYPE2-PS8402A Adapter | MacBook Pro Retina 15" (MacBookPro10.1) | |
| | | | | MacBook Pro 15" (MacBookPro8.3) | |
| | | | | MacPro6.1 | |

Compatibility of this display is good but there are minor issues, as listed below. Pegasus2 and/or features were not affected.
Note1: 1 second noise sometimes occurs when the monitor display resumes.
Note2: Display resolution list are different between through host and through Pegasus2.
Note3: Sometimes display does not resume when restart host.
Note4: Sometimes display does not resume when hot-plugging cable.
Note5: Sometimes display does not resume from Sleep mode.