Pegasus2 R4 / R6 / R8 / M4 Compatibility List V3.8

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 MacOS 10.9.4
- **V2.2:**
  - Add Samsung SSD
  - Add Mac driver 5.2.10 (OS10.10)
  - Add MacOS 10.9.5
  - Add MacOS 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 MacOS 10.10.1
- **V2.5:**
  - Add Toshiba MD04ACA400 FW:FP2A
  - Add Toshiba MQ01ABB200 FW:AY000U
  - Add iMac15.1
  - Add MacOS 10.10.2
- **V2.51:**
  - Correct Samsung 840EVO model name
- **V2.6:**
  - Add Toshiba MQ01ABD100 FW:AX1C1A
  - Remove Toshiba MQ01ABB200 FW:AY000U
  - Add MacOS 10.10.3
- **V2.7: (SR2.4)**
  - Add Toshiba MD04ACA600 FW:FS2A
- **V2.8: (SR2.42)**
  - Add Gigabyte MB
  - Add Windows10 support
  - Add MacOS 10.10.4 & 10.10.5
  - Remove Toshiba 1TB
- **V2.9:**
  - Add MacOS 10.11
- ***V2.10:***
  - Update software package
  - Add MacOS 10.11.2 / 10.11.3
- ***V2.11:***
  - Add Samsung SSD
  - Add MacOS 10.11.6 / 10.12
- ***V3.0: (SR3.0.2)***
  - Add Toshiba HDD
  - Add MacOS 10.12.2 / 10.12.3
  - Add Thunderbolt3 platform with adapter support

- ***V3.1: (SR3.0.4)***
  - Add MacOS 10.12.5 / 10.12.6
  - Add Samsung SSD
  - Add Thunderbolt3 platform with adapter support
- ***V3.2:***
  - Add MacOS 10.13
- ***V3.3: (SR3.0.6)***
  - Add 4 HDDs
  - Update utility
- ***V3.4: (SR3.2)***
  - Add MacOS 10.14
  - Update utility
- ***V3.5: (SR3.2.1)***
  - Update software package
  - Add Samsung SSD
- ***V3.51:***
  - Modify Hard Drive list
- ***V3.6:***
  - Add MacOS 10.15
  - Update software package
- ***V3.7:***
  - Update software package
- ***V3.8:***
  - Update software package

Compatibility list included versions in this build are:

Firmware: 5.04.0000.56 / 5.04.0000.57 / 5.04.0000.61 / 5.04.0000.62 / 5.04.0000.64

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 / 4.02.0000.17 / 4.02.0000.21 / 4.04.0000.37 / 4.04.0000.39 / 4.04.0000.40

Windows: 1.04.0000.19 / 1.04.0000.21 / 2.00.0000.19 / 2.00.0000.20 / 2.02.0000.12 / 2.02.0000.23 / 2.04.0000.20 / 2.04.0000.32

Driver: Mac : 5.1.64 / 5.1.66 / 5.2.7 / 5.2.10 / Inbox

Windows: 5.2.0.22 / 5.2.0.23 (For Windows10 only) / 6.0.0.6 / 6.2.0.6 / 6.2.0.10 / 6.2.0.11

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	ST10000VN0004	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
11	Samsung	860 EVO	MZ-76E500	500GB	RVT01B6Q	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
24*	Mac Pro 2019	MacPro7.1

*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 10.9.5
3	Mac OS 10.10.5
4	Mac OS 10.11.6
5	Mac OS 10.12.6
6	Mac OS 10.13.6
7	Mac OS 10.14.x
8	Mac OS 10.15.x

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” (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	APPLE A1307	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	SEIKI	SE39UY04	APPLE A1307	MacPro6.1	
				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)	
4	DELL	U2913WM	DP to miniDP cable	MacBook Pro Retina 15” (MacBookPro10.1)	
				MacBook Pro 15” (MacBookPro8.3)	
				MacPro6.1	

- Mini-Display Port to DVI

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