

Promise[®] SmartStor ZERO

Compatibility List V1.0

Date: 08/02/2013

Document History:

V1.0:

- ◆ SATA Hard Drive (100Q'ty HDDs)
- ◆ Host Systems (19Q'ty M/Bs)
- ◆ Server Systems (9Q'ty M/Bs)
- ◆ Ethernet Initiators (10Q'ty)
- ◆ Ethernet Switches / HUBs (9Q'ty)
- ◆ USB Printer (10Q'ty)
- ◆ USB Drive (22Q'ty)
- ◆ USB APC UPS (3Q'ty)
- ◆ Web Browsers (12Q'ty)
- ◆ FTP Client Utilities (13Q'ty)
- ◆ Client Operating System (23Q'ty)

Compatibility list included versions in this build are:

Firmware: 02.01.0000.17

DEVICE COMPATIBILITY NOTE:

Basic compatibility between the 3rd party device and Promise device has been verified in typical configurations, unless otherwise stated.

The EOL of 3rd party device may not be in the current list, user can refer older version of Promise compatibility list to get those test result.

DISCLAIMERS:

Only the versions available at time of testing have been verified, as listed.

Corner cases may exist depending on user configuration etc.

Individual 3rd party units may exhibit problems that did not show up in through 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. Host systems (Ethernet ASIC on board)

No.	Vendor	Model	North Bridges/ South Bridges	MB BIOS	Ethernet Chipset
1	ASUS	M2N68-AM	NVIDIA Geforce 7025 / nForce 630a	AMI	RTL8211CL
2	TYAN	S5393 (Tempest i5400PL)	Intel 5400MCH / 6321ESB	Phoenix	Intel82563EB
3	GIGABYTE	GA-M52L-S3P	NVIDIA nForce 520LE / NVIDIA nForce 520LE	Award	Realtek 8201CL
4	GIGABYTE	GA-EX58-UD3R	Intel [®] X58 / Intel [®] ICH10R	Award	Realtek 8111D
5	MSI	MS-91A3	Intel [®] 5520 / Intel [®] ICH10R	AMI	Boazman(82567)
6	MSI	MS-96C8	Intel [®] 5500 / Intel [®] ICH10R	AMI	Intel 82574 (Hartwell) & 1*Intel 82567
7	MSI	MS-7577 (790FX- GD70)	AMD 790FX / SB750	AMI	Realtek RTL8111DL
8	GIGABYTE	GA-7TTSHE-RH	Intel [®] 5520 / Intel [®] ICH10R	Phoenix	Broadcom BCM5221A4KPTG
9	SUPERMICRO	X8DT3-LN4F	Intel [®] 5520 / Intel [®] ICH10R	AMI	Intel [®] Dual 82576
10	GIGABYTE	GA-7TCSV1-RH	Intel [®] 5500 / Intel [®] ICH10R	Phoenix	Intel 82567LM
11	MSI	G41M4-F	Intel [®] G41 / Intel [®] ICH7	AMI	Realtek RTL8111DL/8103EL
12	TYAN	S7010 (S7010AGM2NRF)	Intel [®] 5520 / ICH10R	AMI	Intel 82574
13	INTEL	S5520HC	Intel [®] 5520 / Intel [®] ICH10R	Phoenix	Intel [®] 82575EB
14	ASUS	M4A785TD-V EVO	AMD 785G / SB710	AMI	Realtek 8112L
15	MSI	785GM-E65	AMD 785G / SB710	AMI	Realtek 8111DL
16	SUPERMICRO	X8Si6-F	Intel [®] 3420	AMI	Intel 82574L
17	DFI	GF9400-T2RS	NVIDIA GeForce 9400	Award	Vitesse VSC8601
18	ASUS	M4A78T-E	AMD 790GX / SB750	AMI	Atheros L1E Gigabit Lan
19	INTEL	S5500BC	Intel [®] 5500	Phoenix	Intel [®] dual Gigabit Ethernet Controllers

2. Server Systems

No.	Vendor	Model	Ethernet Chipset
1	Apple	Mini MAC	
2	Apple	Mac Pro	
3	Apple	iMac	
4	DELL	PowerEdge 1800	Intel [®] 82541PI
5	DELL	PowerEdge™ T300	Broadcom [®] BCM5722KFB1G
6	DELL	PowerEdge™ T605	Broadcom [®] BCM5708CKFB
7	DELL	PowerEdge™2900	Broadcom [®] BCM5708C
8	DELL	PowerEdge™TM840	Broadcom [®] BCM5721KFB3G
9	Intel [®]	S3200SH	Intel [®] Pro1000MT

3. Enterprise SATA Hard Drives

Vendor	Family	Model	Capacity	Firmware	Buffer	Transfer-Rate	Form Factor	NCQ/TCQ	4KB Sector
HITACHI	Ultrastar A7K1000	HUA721010KLA330	1TB	GKAOAB0A	32MB	3.0Gbps	3.5"	NCQ	No
		HUA721050KLA330	500GB	GK6OAB0A	16MB	3.0Gbps	3.5"	NCQ	No
		HUA721075KLA330	750GB	GK8OA70M	32MB	3.0Gbps	3.5"	NCQ	No
	Ultrastar A7K2000	HUA722020ALA330	2TB	JKAOA20N	32MB	3.0Gbps	3.5"	NCQ	No
		HDE721010SLA330	1TB	ST6OA3AA	32MB	3.0Gbps	3.5"	NCQ	No
		HDE721050SLA330	500GB	ST3OA31B	32MB	3.0Gbps	3.5"	NCQ	No
SAMSUNG	Deskstar E7K1000	HDE721075SLA330	750GB	ST4OA31B	32MB	3.0Gbps	3.5"	NCQ	No
		HD502IJ	500GB	1AA01113	16MB	3.0Gbps	3.5"	NCQ	No
		HE103UJ	1TB	1AA01111	32MB	3.0Gbps	3.5"	NCQ	No
	Spinpoint F1	HE753LJ	750GB	1AA01117	32MB	3.0Gbps	3.5"	NCQ	No
SEAGATE	Barracuda ES	ST3750640NS	750GB	3.AEK	16MB	3.0Gbps	3.5"	NCQ	No
		ST3500514NS	500GB	SN11	32MB	3.0Gbps	3.5"	NCQ	No
	Barracuda ES.2	ST3750330NS	750GB	SN06	16MB	3.0Gbps	3.5"	NCQ	No
		ST31000340NS	1TB	SN06	32MB	3.0Gbps	3.5"	NCQ	No
	Constellation ES	ST32000644NS	2TB	SN11	64MB	3.0Gbps	3.5"	NCQ	No
WDC	WD RE2	WD5001ABYS	500GB	59.01D01	16MB	3.0Gbps	3.5"	NCQ	No
		WD4000ABYS	400GB	12.01C01	16MB	3.0Gbps	3.5"	NCQ	No
		WD1601ABYS	160GB	06.06H05	16MB	3.0Gbps	3.5"	NCQ	No
		WD3201ABYS	320GB	13.01C02	16MB	3.0Gbps	3.5"	NCQ	No
	WD RE2-GP	WD1000FYPS	1TB	02.01B01	16MB	3.0Gbps	3.5"	NCQ	No
	WD RE3	WD1002FBYS	1TB	03.00C05	32MB	3.0Gbps	3.5"	NCQ	No
		WD7502ABYS	750GB	03.00C06	32MB	3.0Gbps	3.5"	NCQ	No
		WD5002ABYS	500GB	02.03B02	16MB	3.0Gbps	3.5"	NCQ	No
		WD3202ABYS	320GB	02.03B02	16MB	3.0Gbps	3.5"	NCQ	No
		WD2502ABYS	250GB	02.03B02	16MB	3.0Gbps	3.5"	NCQ	No
	WD RE4-GP	WD2002FYPS	2TB	04.05G04	64MB	3.0Gbps	3.5"	NCQ	No
	WD RE4	WD2003FYYS	2TB	01.00D02	64MB	3.0Gbps	3.5"	NCQ	No
		WD1003FBYX	1TB	01.01V01	64MB	3.0Gbps	3.5"	NCQ	No
		WD1003FBYX	1TB	01.01V02	64MB	3.0Gbps	3.5"	NCQ	No
	WD VelociRaptor	WD3000HLFS	300GB	04.04V01	16MB	3.0Gbps	3.5"	NCQ	No
		WD2003FYYS	2TB	01.01D02	64MB	3.0Gbps	3.5"	NCQ	No
		WD5003ABYX	500GB	01.01S02	64MB	3.0Gbps	3.5"	NCQ	No
		WD6000HLHX	600GB	04.05G04	32MB	6.0Gbps	3.5"	NCQ	No
TOSHIBA	MK1002TSKB	MK1002TSKB	1TB	MT2A	64MB	3.0Gbps	3.5"	NCQ	No

🔧 In RAID storage system, we recommend user to use enterprise level hard drive, which has much better command timeout control and more reliable to vibration for critical application.

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

4. Desktop SATA Hard Drives

Vendor	Family	Model	Capacity	Firmware	Buffer	Transfer- Rate	Form Factor	NCQ/ TCQ	4KB Sector
HITACHI	Deskstar 7K80	HDS728080PLA380	80GB	PF20A69A	8MB	3.0Gbps	3.5"	NCQ	No
	Deskstar T7K1000	HDS721010KLA330	1TB	GKAOAB0A	32MB	3.0Gbps	3.5"	NCQ	No
	Deskstar P7K500	HDP725050GLA360	500GB	GM4OA50E	8MB	3.0Gbps	3.5"	NCQ	No
		HDP725032GLA360	320GB	GM3OA52A	16MB	3.0Gbps	3.5"	NCQ	No
	Deskstar 7K1000.B	HDT721010SLA360	1TB	ST6OA31B	16MB	3.0Gbps	3.5"	NCQ	No
		HDT721016SLA380	160GB	ST1OA31B	8MB	3.0Gbps	3.5"	NCQ	No
		HDT721025SLA380	250GB	STBOA31B	8MB	3.0Gbps	3.5"	NCQ	No
		HDT721032SLA360	320GB	ST2OA31B	16MB	3.0Gbps	3.5"	NCQ	No
		HDT721064SLA360	640GB	STDOA31B	16MB	3.0Gbps	3.5"	NCQ	No
	Deskstar 7K1000.C	HDS721010CLA332	1TB	JP4OA39C	32MB	3.0Gbps	3.5"	NCQ	No
		HDS721010CLA632	1TB	JP4OA41B	32MB	6.0Gbps	3.5"	NCQ	No
	Deskstar 7K2000	HDS722020ALA330	2TB	JKAOA28A	32MB	3.0Gbps	3.5"	NCQ	No
		HDS722020ALA330	2TB	JKAOA20N	32MB	3.0Gbps	3.5"	NCQ	No
	CinemaStar P7K1000	HCS721010KLA330	1TB	GKAOAB0A	8MB	3.0Gbps	3.5"	NCQ	No
	CinemaStar P7K500B	HCP725050GLA380	500GB	GM4OA5CA	8MB	3.0Gbps	3.5"	NCQ	No
	CinemaStar 7K1000.B	HCT721010SLA360	1TB	ST6OA31E	16MB	3.0Gbps	3.5"	NCQ	No
		HCT721016SLA380	160GB	ST1OA31E	8MB	3.0Gbps	3.5"	NCQ	No
		HCT721032SLA380	320GB	ST2OA31E	8MB	3.0Gbps	3.5"	NCQ	No
		HDS723020BLA642	2TB	MN0NB5C0.BD	64MB	6.0Gbps	3.5"	NCQ	No
SAMSUNG	Spinpoint F1 DT	HD642JJ	640GB	1AA01113	16MB	3.0Gbps	3.5"	NCQ	No
	Spinpoint F1	HD103UJ	1TB	1AA01107	32MB	3.0Gbps	3.5"	NCQ	No
MAXTOR	DiamondMax 21	STM3160815AS	160GB	4.AAB	9MB	3.0Gbps	3.5"	NCQ	No
	DiamondMax 22	STM3500320AS	500GB	MX15	32MB	3.0Gbps	3.5"	NCQ	No
		STM3160813AS	160GB	MC1H	8MB	3.0Gbps	3.5"	NCQ	No
		STM31000340AS	1TB	MX15	32MB	3.0Gbps	3.5"	NCQ	No
		STM3750330AS	750GB	MX15	16MB	3.0Gbps	3.5"	NCQ	No
	DiamondMax 23	STM3750528AS	750GB	CC34	32MB	3.0Gbps	3.5"	NCQ	No
		STM31000528AS	1TB	CC35	32MB	3.0Gbps	3.5"	NCQ	No
SEAGATE	SV35.3	ST31000340SV	1TB	SV16	32MB	3.0Gbps	3.5"	NCQ	No
	SV35.4	ST3320410SV	320GB	CV12	16MB	3.0Gbps	3.5"	NCQ	No
	SV35.5	ST31000525SV	1TB	CV12	32MB	3.0Gbps	3.5"	NCQ	No
	Barracuda LP	ST31500541AS	1.5TB	CC34	32MB	3.0Gbps	3.5"	NCQ	No
		ST32000542AS	2TB	CC34	32MB	3.0Gbps	3.5"	NCQ	No
		ST31000520AS	1TB	CC32	32MB	3.0Gbps	3.5"	NCQ	No
	Barracuda XT	ST32000641AS	2TB	CC12	64MB	3.0Gbps	3.5"	NCQ	No
	Pipeline HD .2	ST31000322CS	1TB	SC13	8MB	3.0Gbps	3.5"	NCQ	No
	Barracuda 7200.11	ST31000340AS	1TB	SD15	32MB	3.0Gbps	3.5"	NCQ	No
		ST31000333AS	1TB	SD15	32MB	3.0Gbps	3.5"	NCQ	No
		ST31500341AS	1.5TB	CC1H	32MB	3.0Gbps	3.5"	NCQ	No
	Barracuda 7200.12	ST31000528AS	1TB	CC34	32MB	3.0Gbps	3.5"	NCQ	No
		ST3750528AS	750GB	CC34	32MB	3.0Gbps	3.5"	NCQ	No
WDC	WD Caviar Green	WD6400AACS	640GB	05.04C05	16MB	3.0Gbps	3.5"	NCQ	No
		WD20EADS	2TB	01.00A01	32MB	3.0Gbps	3.5"	NCQ	No
		WD15EADS	1.5TB	01.00A01	32MB	3.0Gbps	3.5"	NCQ	No
		WD10EADS	1TB	01.01A01	32MB	3.0Gbps	3.5"	NCQ	No
		WD7500AADS	750GB	01.01A01	32MB	3.0Gbps	3.5"	NCQ	No
		WD5000AADS	500GB	05.04C05	32MB	3.0Gbps	3.5"	NCQ	No
		WD10EACS	1TB	01.01B01	16MB	3.0Gbps	3.5"	NCQ	No
		WD15EARS	1.5TB	80.00A80	64MB	3.0Gbps	3.5"	NCQ	Yes
		WD10EARS	1TB	80.00A80	64MB	3.0Gbps	3.5"	NCQ	Yes
		WD20EARS	2TB	80.00A80	64MB	3.0Gbps	3.5"	NCQ	No
		WD1001FALS	1TB	05.00K05	32MB	3.0Gbps	3.5"	NCQ	No
	WD Caviar Black	WD1001FALS	1TB	05.00K05	32MB	3.0Gbps	3.5"	NCQ	No

		WD7501AALS	750GB	05.00K05	32MB	3.0Gbps	3.5"	NCQ	No
		WD6401AALS	640GB	01.03B01	32MB	3.0Gbps	3.5"	NCQ	No
		WD5001AALS	500GB	01.03B01	32MB	3.0Gbps	3.5"	NCQ	No
		WD2002FAEX	2TB	05.01D05	64MB	6.0Gbps	3.5"	NCQ	No
	WD Red	WD10EFRX	1TB	01.01A01	64MB	6.0Gbps	3.5"	NCQ	No
	WD Caviar Blue	WD6400AAKS	640GB	01.03B01	16MB	3.0Gbps	3.5"	NCQ	No
	WD AV-GP	WD20EVDs	2TB	01.00A01	32MB	3.0Gbps	3.5"	NCQ	No
		WD15EVDs	1.5TB	01.00A01	32MB	3.0Gbps	3.5"	NCQ	No
		WD10EVDs	1TB	01.01A01	32MB	3.0Gbps	3.5"	NCQ	No
		WD10EVS	1TB	01.00A01	8MB	3.0Gbps	3.5"	NCQ	No
		WD7500AVVS	750GB	01.01A01	8MB	3.0Gbps	3.5"	NCQ	No
		WD5000AVVS	500GB	05.04C05	8MB	3.0Gbps	3.5"	NCQ	No
		WD20EURS	2TB	51.0AB51	64MB	3.0Gbps	3.5"	NCQ	Yes
TOSHIBA	HDS723020BLE640	DT01ACA200	2TB	MX40AAB0	64MB	3.0Gbps	3.5"	NCQ	No

✦ In RAID storage system, we recommend user to use enterprise level hard drive, which has much better command timeout control and more reliable to vibration for critical application.

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5. Ethernet Initiators

NO.	Vendor	Model	BUS	Data Transfer Rate
1	ASUS	NX1101	PCI	10 / 100 / 1000Mbps
2	Broadcom	BCM95721A211	PCI-E	10 / 100 / 1000Mbps
3	Chelsio	S302E	PCI-E	10 / 100 / 1000Mbps
4	D-Link	DGE-530T	PCI	10 / 100 / 1000Mbps
5	HP	NC382T	PCI	10 / 100 / 1000Mbps
6	INTEL	PWLA8391GTLBLK	PCI	10 / 100 / 1000Mbps
7	INTEL	EXP9301CT	PCI-E	10 / 100 / 1000Mbps
8	INTEL	E1G42ET	PCI-E	10 / 100 / 1000Mbps
9	SUNIX	LAN1400	PCI-E	10 / 100 / 1000Mbps
10	ZyXEL	GN-680-T	PCI	10 / 100 / 1000Mbps

6. Ethernet Switches / HUBs

NO.	Vendor	Model	Port Count	Speed
1	3Com	2824/3CBLUG24	24PORT	10 / 100 / 1000Mbps
2	Accton	3016A	16PORT	10 / 100 Mbps
3	Cnet	CNFH-624	24PORT	10 / 100 / 1000Mbps
4	D-Link	DES-1016D	16PORT	10 / 100 Mbps
5	D-Link	DGS-1008D	8PORT	10 / 100 / 1000Mbps
6	D-Link	DES-1005D	5PORT	10 / 100 Mbps
7	D-Link	DI-707P	7PORT	10 / 100 Mbps
8	PCI	FXG-24IRM	24PORT	10 / 100 / 1000Mbps
9	ZYXEL	GS-1124A	24PORT	10 / 100 / 1000Mbps

7. USB Printers

No.	Vendor	Model
1	Canon	MX308
2	EPSON	COLOR 1160
3	EPSON	EPL-5900L
4	HP	LasterJet 1010
5	HP	C4480
6	LEXMARK	P915

7	LEXMARK	X5495
8	SAMSUNG	CLP-510
9	SAMSUNG	ML-1520
10	XEROX	Phaser 3121

8. APC[®] UPS

Vendor		Model
APC	Smart UPS 1500	
APC	Smart UPS 3000	
APC	Back-UPS RS-1000	

9. USB Flash Drives / USB Hard Drives

No.	Vendor	Model	Capacity	Type
1	A-DATA	Sport/S701	8G USB2.0	USB flash
2	A-DATA	MyFlash/PD1	4G USB2.0	USB flash
3	A-DATA	MyFlash/PD1	2G USB2.0	USB flash
4	Apacer	Flash drive	1G usb2.0	USB flash
5	Apacer	Handy Steno AH323	16G USB2.0	USB flash
6	Apacer	Handy Steno AH422	8GB USB2.0	USB flash
7	BUFFALO	HD-CE1.0TU2	1TB	USB drive
8	Sandisk	Cruzer Contour CZ6	512MB usb 2.0	USB flash
9	Sandisk	Cruzer Titanium U3	8G USB2.0	USB flash
10	sandisk	SanDisk Cruzer Contour CZ8	4G USB2.0	USB flash
11	Seagate	ST310005FPM203-RK	1TB	USB drive
12	Seagate	ST315005FPM203-RK	1.5TB	USB drive
13	SONY	Micro Vault Click Turbo	8G USB2.0	USB flash
14	SONY	Micro Vault Click USB	16G USB2.0	USB flash
15	SONY	Micro Vault Click USB	4G USB2.0	USB flash
16	TOSHIBA	TransMemory (U2K-002GT)	2G USB2.0	USB flash
17	Transcend	TS30GSJ18	30G	USB drive
18	Transcend	TS32GSSD18M	32GB	USB drive
19	Transcend	TS1TSJ35U	1TB	USB drive
20	WDC	WDH1CS10000	1TB	USB drive
21	WDC	WDH1Q640S	640GB	USB drive
22	WDC	WD10000H1U-00	1TB	USB drive

10. Operating Systems

In addition, the browsers listed below will be tested:

Windows Series	Windows 2000 Advanced Server With SP4 32bit
	Windows 2000 Professional with SP4 32bit
	Windows XP Professional with SP3 32bit
	Windows XP 64 with SP2 64bit
	Windows Server 2003 R2 Enterprise with SP2 32bit
	Windows Server 2003 Enterprise with SP2 32bit
	Windows Server 2003 R2 Enterprise with SP2 64bit
	Windows Server 2003 Enterprise with SP2 64bit
	Windows Vista Ultimate with SP2 32bit
	Windows Vista Ultimate with SP2 64bit
	Windows Server 2008 datacenter with SP2 32bit
	Windows Server 2008 datacenter with SP2 64bit
	Windows 7 Ultimate 32bit
	Windows 7 Ultimate 64bit
RedHat Linux	RHEL 5.4 Enterprise Server 32bit
	RHEL 5.4 Enterprise Server 64bit
Novell SuSE	SLES 11 32bit
	SUSE 11 64bit
	OpenSuSE 11.1 32bit
	OpenSuSE 11.1 64bit
MAC OS	10.4.11
	10.5.8
	10.6.2

11. Web Browsers

Windows	IE 6.0.2900.5512 (WinXP+sp3 default)
	IE 7.0.6002.18005 (Vista+sp2 default)
	IE 8.0.6001.18702 (WinXP+sp3 updated)
	IE 8.0.6001.18828 (Vista+sp2 updated)
	IE 8.0.7600.16385 (Win 7)
	Firefox 3.5.5
	Firefox 3.6
	Safari 4.0.4(531.21.10) on WinXP+sp3
	Google Chrome 3.0.195.33 on WinXP+sp3
	Opera 10.10
Mac	Safari 4.0.3(6531.9) on Mac 10.6
Linux	Firefox 3.0.12 (RHEL5.4 default)

12.FTP Client Utilities

Windows	SmartFTP 4.0.1082.0
	FileZilla_3.3.2
	FlashFXP v3.6
	Cute FTP Professional 8.3.3
	Command line
	IE 6.0.2900.5512 (WinXP+sp3 default)
	IE 8.0.7600.16385 (Win 7)
Linux	FileZilla_3.3.2
	Command line
MAC	FileZilla_3.3.2
	Fetch 5.5.3
	Transmit 3.7
	Command line