

Promise[®] SmartStor NS4300N SR5.2 Compatibility List V1.1

Date: 05/25/2010

Document History:

- V1.0: 1. First release (Based on SR5.1 FW; SR5.2 FW had a little bit minor changes)
2. Based on SR5.1 Compatibility List, add some new devices as below
(Highlighted them with blue-color)
 - ◆ SATA Hard Drives 12 Q'ty

Compatibility list included versions in this build are:

Firmware: 01.05.0000.12

SmartNAVI Utility: 1.3.0.13

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 ASIC
1	Dell	PowerEdge SC1430	Intel [®] Xeon5000V/ 6311ESB / 6321ESB	Dell 1.1.0	Broadcom 5751
2	Dell	PowerEdge 800	Intel [®] 7221/ FW 82801FB	Dell A01	Broadcom 5721
3	Dell	PowerEdge 2900	Intel [®] Xeon5110V/ 6311ESB / 6321ESB	Dell 2.1.0	Broadcom 58708C
4	IBM	xSeries 206M	Intel [®] E7230/ FW 82801GR	IBM V1.29	Broadcom 5721
5	IBM	xSeries 226	Intel [®] E7505/ FW 82801ER	IBM V1.52	Broadcom 5721
6	Dell	PowerEdge SC1420	Intel [®] E7520	Dell A01	Intel [®] 82545GM
7	HP	ProLiant ML110	Intel [®] E7220/ FW 82801FR	Phoenix V1.10	Intel [®] 82541
8	HP	ProLiant ML150	Intel [®] Xeon 5000V	Phoenix 1.08.00	Broadcom 5703C
9	Intel [®]	D945GTP	Intel [®] 945G / ICH7	Phoenix AAC97834-303	Intel [®] 82562GZ
10	ASUS	P5 ND2.SLI	NVIDIA nForce4 SLI Intel Edition	V1.01	Marvell 88e 1111 Intel RC82540EM
11	GIGABYTE [™]	GA-8I945GMF	Intel [®] 945G / ICH7	Award 8I945GMF F9	Marvell 8053
12	ASUS	K8V-SE-D	VIA K8T800+VT8237	AMI 08.00.09	Marvell 88E 8001
13	ASUS	K8V-X	VIA K8T800+VT8237R	V1.1 101805	Marvell 88E 8001
14	msi [™]	MS-7151	ATI RX480/ATI SB400	AMI 08.00.09	RTL8110SB
15	TYAN [®]	S5151	Intel [®] E7221 MCH / ICH6R	V1.0	Intel [®] 82551 Broadcom BCM5721
16	SUPERMICRO [®]	X6DH8-G2	Intel [®] E7520 (Lindenhurst) Chipset	828D1ER	Intel [®] 82546GB

2. Enterprise SATA Hard Drives

Vendor	Family	Model	Capacity	Firmware	Buffer	Transfer-Rate	Form Factor	NCQ/TCQ
HITACHI	Ultrastar A7K1000	HUA721010KLA330	1TB	GKAOAB0A	32MB	3.0Gbps	3.5"	NCQ
		HUA721075KLA330	750GB	GK8OA70M	32MB	3.0Gbps	3.5"	NCQ
		HUA721050KLA330	500GB	GK6OAB0A	16MB	3.0Gbps	3.5"	NCQ
	Ultrastar A7K2000	HUA722020ALA330	2TB	JKAOA20N	32MB	3.0Gbps	3.5"	NCQ
	Deskstar E7K1000	HDE721010SLA330	1TB	ST6OA3AA	32MB	3.0Gbps	3.5"	NCQ
SAMSUNG	Spinpoint F1	HE103UJ	1TB	1AA01107	32MB	3.0Gbps	3.5"	NCQ
SEAGATE	Barracuda ES	ST3750640NS	750GB	3.AEK	16MB	3.0Gbps	3.5"	NCQ
		ST3500630NS	500GB	3.AEG	16MB	3.0Gbps	3.5"	NCQ
	Barracuda ES.2	ST31000340NS	1TB	SN06	32MB	3.0Gbps	3.5"	NCQ
		ST3750330NS	750GB	SN06	32MB	3.0Gbps	3.5"	NCQ
		ST3500320NS	500GB	SN06	32MB	3.0Gbps	3.5"	NCQ
WDC	WD RE2	WD7500AYYS	750GB	30.04G30	16MB	3.0Gbps	3.5"	NCQ
		WD5001ABYS	500GB	59.01D01	16MB	3.0Gbps	3.5"	NCQ
		WD4000ABYS	400GB	12.01C01	16MB	3.0Gbps	3.5"	NCQ
		WD3201ABYS	320GB	13.01C02	16MB	3.0Gbps	3.5"	NCQ
		WD1601ABYS	160GB	06.06H05	16MB	3.0Gbps	3.5"	NCQ
	WD RE2-GP	WD1000FYPS	1TB	02.01B01	16MB	3.0Gbps	3.5"	NCQ
		WD7500AYPS	750GB	02.01B01	16MB	3.0Gbps	3.5"	NCQ
		WD5000ABPS	500GB	02.01B01	16MB	3.0Gbps	3.5"	NCQ
	WD RE3	WD5002ABYS	500GB	02.03B02	16MB	3.0Gbps	3.5"	NCQ
		WD2502ABYS	250GB	02.02A02	16MB	3.0Gbps	3.5"	NCQ
		WD1002FBYS	1TB	03.00C05	32MB	3.0Gbps	3.5"	NCQ
	WD RE4-GP	WD2002FYPS	2TB	04.05G04	64MB	3.0Gbps	3.5"	NCQ

🔗 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.

3. Desktop SATA Hard Drives

Vendor	Family	Model	Capacity	Firmware	Buffer	Transfer Rate	Form Factor	NCQ/TCQ
HITACHI	T7K500	HDT725050VLA360	500GB	V56OA52A	16MB	3.0Gbps	3.5"	NCQ
		HDT725040VLA360	400GB	V5COA7EA	16MB	3.0Gbps	3.5"	NCQ,RoHS
	Deskstar T7K1000	HDS721010KLA330	1TB	GKAOA51D	32MB	3.0Gbps	3.5"	NCQ
	Deskstar 7K500	HDS725050KLA360	500GB	K2AOAD1A	16MB	3.0Gbps	3.5"	NCQ
	Deskstar P7K500	HDP725050GLA360	500GB	GM4OA52A	16MB	3.0Gbps	3.5"	NCQ
		HDP725040GLA360	400GB	GMDOA50E	16MB	3.0Gbps	3.5"	NCQ
	Deskstar T7K500	HDP725032GLA360	320GB	GM3OA52A	16MB	3.0Gbps	3.5"	NCQ
	Deskstar 7K1000	HDS721010KLA330	1TB	GKAOA70M	32MB	3.0Gbps	3.5"	NCQ
		HDS721050KLA330	500GB	GK6OA70M	16MB	3.0Gbps	3.5"	
		HDS721075KLA330	750GB	GK8OA70F	32MB	3.0Gbps	3.5"	NCQ
Deskstar 7K1000.B	HDT721010SLA360	1TB	ST6OA31B	16MB	3.0Mbps	3.5"	NCQ	
Deskstar 7K1000.C	HDS721010CLA332	1TB	JP4OA39C	32MB	3.0Gbps	3.5"	NCQ	
Deskstar 7K2000	HDS722020ALA330	2TB	JKAOA28A	32MB	3.0Gbps	3.5"	NCQ	
MAXTOR	DiamondMax 22	STM3500320AS	750GB	MX15	32MB	3.0Gbps	3.5"	NCQ
		STM3160813AS	160GB	MC1H	8MB	3.0Gbps	3.5"	NCQ
	DiamondMax 23	STM3750528AS	750GB	CC34	32MB	3.0Gbps	3.5"	NCQ
		STM3500418AS	500GB	CC34	16MB	3.0Gbps	3.5"	NCQ
		STM3250318AS	250GB	CC44	8MB	3.0Gbps	3.5"	NCQ
		STM31000528AS	1TB	CC35	32MB	3.0Gbps	3.5"	NCQ
SEAGATE	SV35.3	ST31000340SV	1TB	SV16	32MB	3.0Gbps	3.5"	NCQ
		ST3750330SV	750GB	SV16	32MB	3.0Gbps	3.5"	NCQ
	SV35.4	ST3320410SV	320GB	CV12	16MB	3.0Gbps	3.5"	NCQ
WDC	WD Caviar Green	WD20EADS	2TB	01.00A01	32MB	3.0Gbps	3.5"	NCQ
		WD15EADS	1.5TB	01.00A01	32MB	3.0Gbps	3.5"	NCQ
		WD10EACS	1TB	01.01B01	16MB	3.0Gbps	3.5"	NCQ
		WD7500AACS	750GB	01.01B01	16MB	3.0Gbps	3.5"	NCQ
		WD5000AACS	500GB	01.01B01	16MB	3.0Gbps	3.5"	NCQ
		WD10EADS	1TB	01.01A01	32MB	3.0Gbps	3.5"	NCQ
	WD Caviar Black	WD1001FALS	1TB	05.00K05	32MB	3.0Gbps	3.5"	NCQ
		WD7501AALS	750GB	05.00K05	32MB	3.0Gbps	3.5"	NCQ
	WD Caviar Blue	WD7500AAKS	750GB	30.04G30	16MB	3.0Gbps	3.5"	
		WD6400AAKS	640GB	01.03B01	16MB	3.0Gbps	3.5"	NCQ
		WD5000AAKS	500GB	30.04G30	16MB	3.0Gbps	3.5"	NCQ
		WD4000AAKS	400GB	12.01C01	16MB	3.0Gbps	3.5"	NCQ
	WD AV-GP	WD10EVVS	1TB	01.01A01	8MB	3.0Gbps	3.5"	NCQ
		WD7500AVVS	750GB	01.01A01	8MB	3.0Gbps	3.5"	NCQ
		WD5000AVVS	500GB	05.04C05	8MB	3.0Gbps	3.5"	NCQ
		WD20EVDS	2TB	01.00A01	32MB	3.0Gbps	3.5"	NCQ
WD15EVDS		1.5TB	01.00A01	32MB	3.0Gbps	3.5"	NCQ	
WD10EVDS		1TB	01.01A01	32MB	3.0Gbps	3.5"	NCQ	

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4. Ethernet Initiators

NO.	Vendor	Model	Ethernet ASIC	Data Transfer Rate
1	Accton [®]	EN1207F-TX	MPX Accton EN5251BE	10 Mbps /100Mbps
2	ASUS	PCI-L101	Intel [®] SB82558B	10 Mbps /100Mbps
3	ASUS	NX1101	IC Plus IP1000A	10 Mbps /100 Mbps /1000Mbps
4	Broadcom	NetXtreme Desktops	BCM5721A211	10 Mbps /100 Mbps /1000Mbps
5	Broadcom	TOE PCI Express	BCM5708A0804F	10 Mbps /100 Mbps /1000Mbps
6	Broadcom	NetXtreme Desktops	Broadcom 5751	10 Mbps /100 Mbps /1000Mbps
7	Broadcom	NetXtreme Desktops	Broadcom 5703C	10 Mbps /100 Mbps /1000Mbps
8	Broadcom	NetXtreme Desktops	Broadcom 5721	10 Mbps /100 Mbps /1000Mbps
9	Broadcom	TOE PCI Express [®]	Broadcom 5708C	10 Mbps /100 Mbps /1000Mbps
10	BUFFALO	LGY-PCI-TXL	MX98715AEC	10 Mbps /100Mbps
11	CNet	Pro-200WL	DM9102AF	10 Mbps /100Mbps
12	CNet	ProG-2000L	RTL8169	10 Mbps /100 Mbps /1000Mbps
13	Corega [®]	CG-LAPCIGT2	Realtek RTL8169S-32	10 Mbps /100 Mbps /1000Mbps
14	D-Link [®]	DFE-550TX	DL10050C	10 Mbps /100Mbps
15	D-Link [®]	DFE-530TX	DL10030A	10 Mbps /100Mbps
16	D-Link [®]	DGE-530T	Mavell 88E8001-LKJ1	10 Mbps /100 Mbps /1000Mbps
17	Intel [®]	PRO/1000MT Desktop Adapter	Intel [®] RC82540EM	10 Mbps /100 Mbps /1000Mbps
18	Intel [®]	PWLA8391GT	Intel [®] 82541PI	10 Mbps /100 Mbps /1000Mbps
19	Intel [®]	Ether Express Pro/100+	Intel [®] 82559	10 Mbps /100Mbps
20	Intel [®]	EXPI9300PT	Intel [®] 82572GI	10 Mbps /100 Mbps /1000Mbps
21	Intel [®]	Intel [®] PRO/1000 Desktop adapters	Intel [®] 82562GZ	10 Mbps /100 Mbps /1000Mbps
22	Intel [®]	PRO/100 M Desktop Adapter	Intel [®] 82551	10 Mbps /100 Mbps /1000Mbps
23	Intel [®]	PRO/1000 MT Desktop Adapter	Intel [®] 82541	10 Mbps /100 Mbps /1000Mbps
24	Intel [®]	PRO/1000 MT Dual Port Server Adapter	Intel [®] 82546GB	10 Mbps /100 Mbps /1000Mbps
25	Intel [®]	PRO/1000MT Server Adapter	Intel [®] RC82545GM	10 Mbps /100 Mbps /1000Mbps
26	Intel [®]	PRO/1000T Server Adapter	Intel [®] TL82543GC	10 Mbps /100 Mbps /1000Mbps
27	Intel [®]	PRO/1000PT Dual Port Server Adapter	D33682	10 Mbps /100 Mbps /1000Mbps
28	Intel [®]	PRO/1000 PT Quad Port Server Adapter (EXPI9404PTBLK)	Intel [®] 82571GB	10 Mbps /100 Mbps /1000Mbps
29	Intel [®]	9402PT	82571EB	10 Mbps /100 Mbps /1000Mbps
30	Marvell	Marvell Yukon Gigabit Ethernet	Marvell 88E 1111	10 Mbps /100 Mbps /1000Mbps
31	Marvell	Marvell Yukon Gigabit Ethernet	Marvell 88E 8001	10 Mbps /100 Mbps /1000Mbps
32	Marvell	Marvell Yukon Gigabit Ethernet	Marvell 8053	10 Mbps /100 Mbps /1000Mbps
33	Micronet	T1	RTL8139D	10 Mbps /100Mbps
34	MPX	EN1207D-TX	MPXEN5038	10 Mbps /100Mbps
35	PLANEX	GN-1200TW	RTL 8169S-32	10 Mbps /100 Mbps /1000Mbps
36	PLANEX	FW-100TX	RTL8139C	10 Mbps /100Mbps
37	Realtek	RTL810X Series	RTL8110SB	10 Mbps /100 Mbps /1000Mbps
38	SUNIX	LAN1400	Mavell 88E8056-NNC1	10 Mbps /100 Mbps /1000Mbps
39	ZyXEL	GN-680-T	RTL 8169S-32	10 Mbps /100 Mbps /1000Mbps
40	SMC [®]	SMC9452TX	Realtek TL8169SC	10 Mbps /100 Mbps /1000Mbps
41	PCI	GN-1200TW3	8169S	10 Mbps /100 Mbps /1000Mbps

5. Ethernet Switches / HUBs

NO.	Vendor	Model	Port Count	Speed
1	3com	4200G	12	10 Mbps /100 Mbps /1000Mbps
2	3com	Baseline switch 2824/3CBLUG24	24 Port	10 Mbps /100 Mbps /1000Mbps
3	Accton	ES3024C	24	10 Mbps /100Mbps
4	Allied	Telesyn AT9000	24	10 Mbps /100 Mbps /1000Mbps
5	ASUS	1108	8	10 Mbps /100 Mbps /1000Mbps
6	Cisco	Catalyst 2960G	8	10 Mbps /100 Mbps /1000Mbps
7	Cnet	CNFH-624	24	10 Mbps /100Mbps
8	D-Link [®]	D1-707P	7	10 Mbps /100Mbps
9	D-Link [®]	DFE-9000X	8	10 Mbps /100Mbps
10	D-Link [®]	DES-1005D	24	10 Mbps /100Mbps
11	D-Link [®]	DES-1016D	16	10 Mbps /100Mbps
12	D-Link [®]	DGS-1008D	8	10 Mbps /100 Mbps /1000Mbps
13	D-Link [®]	DGS-1248T	44Port	10 Mbps /100 Mbps /1000Mbps
14	D-Link[®]	DGS-1224T	24 Port	10 Mbps /100 Mbps /1000Mbps
15	D-Link[®]	DIR-300	4 Port	10 Mbps /100Mbps
16	D-Link[®]	DI-804HV	4 Port	10 Mbps /100Mbps
17	HP	Procurve 1800-24G	24	10 Mbps /100 Mbps /1000Mbps
18	PLANEX	FXG-24IRM	24 Port	10 Mbps /100 Mbps /1000Mbps
19	SMC [®]	EZ6516TX	16	10 Mbps /100Mbps
20	SMC [®]	EZ-Switch 8508T	8	10 Mbps /100Mbps
21	ZyXEL	GS-2024	24	10 Mbps /100 Mbps /1000Mbps

6. USB Printers

No.	Vendor	Model
1	XEROX	Phaser3121
2	SAMSUNG	ML-1520
3	SAMSUNG	CLP510
4	EPSON	EPL6200L
5	EPSON	EPL5900L
6	EPSON	COLOR1160
7	EPSON	C43UX
8	EPSON	C65
9	HP	LaserJet 2300
10	HP	LaserJet1010
11	HP	C4480
12	Canon	MX308

7. APC[®] UPS

Vendor	Model
APC	Smart-UPS 750
APC	APC Smart UPS 1500
APC	APC Smart UPS 3000
APC	APC Back-UPS 500 ES

8. USB Hard Drives

No.	Vendor	Model	Capacity
1	acer	EH32S.L30	320GB
2	BUFFALO	HD-HB80U2	80GB
3	BUFFALO	HD-CE1.0TU2	1TB
4	ExBoot	EXB-0120-80	80GB
5	PHILIPS	MW3640S	640GB
6	SEAGATE	ST940801U2-RK	40GB
7	SEAGATE	ST307504FPM103-RK	750GB
8	SEAGATE	ST310005FPM103-RK	1TB
9	SEAGATE	ST315005FPM203-RK	1.5TB
10	TOSHIBA	HDMK4032GAX-EXS	40GB
11	TOSHIBA	HDMK2006GAL-EXS	20GB
12	Transcend	StoreJet TS30GSJ18	30GB
13	Transcend	TS1TSJ35U	1TB
14	Transcend	TS500GSJ35U	500GB
15	USB2.0 Storage Drive	USB2.0 Storage Drive	40GB
16	WDC	WD10000H1U-00	1TB
17	WDC	WDH1CS7500S	750GB
18	WDC	WDH1CS10000	1TB
19	WDC	WD20000H2Q	2TB

9. Operating Systems

In addition, the browsers listed below will be tested:

● Microsoft[®] Windows Series:

- Microsoft[®] Windows 2000 Professional with Service Pack 4 (x86)
- Microsoft[®] Windows 2000 Server with Service Pack 4 (x86)
- Microsoft[®] Windows XP Professional with Service Pack 2 (x86)
- Microsoft[®] Windows XP Professional with Service Pack 3 (x86)
- Microsoft[®] Windows XP Home Edition with Service Pack 2 (x86)
- Microsoft[®] Windows XP Home Edition with Service Pack 3(x86)
- Microsoft[®] Windows XP Professional Edition with Service Pack 2 (AMD64/Intel EM64T)
- Microsoft[®] Windows Server 2003 Enterprise with Service Pack 2 with R2 (x86)
- Microsoft[®] Windows Server 2003 Enterprise with Service Pack 2 (AMD64/Intel EM64T)
- Microsoft[®] Windows Server 2008 with SP1 (English) (32bit)
- Microsoft[®] Windows Server 2008 with SP1 (English) (64bit)
- Microsoft[®] Windows Vista Home Basic(x86)
- Microsoft[®] Windows Vista Home Premium (x86)
- Microsoft[®] Windows Vista Business (x86)
- Microsoft[®] Windows Vista Enterprise(x86)
- Microsoft[®] Windows Vista Ultimate(x86)
- Microsoft[®] Windows Vista Home Basic with Service Pack 1 (x86))
- Microsoft[®] Windows Vista Home Premium with Service Pack 1 (x86)
- Microsoft[®] Windows Vista Business with Service Pack 1 (x86)
- Microsoft[®] Windows Vista Enterprise with Service Pack 1 (x86)
- Microsoft[®] Windows Vista Ultimate with Service Pack 1 (x86)
- Microsoft[®] Windows Vista with Service Pack 1 (AMD64/Intel EM64T)

● RedHat[®] Linux Series:

- RedHat[®] Enterprise Linux 5 (x86)
- RedHat[®] Enterprise Linux 5 (AMD64/Intel EM64T)
- RedHat[®] Enterprise Linux 5.2 (x86)
- RedHat[®] Enterprise Linux 5.2 (AMD64/Intel EM64T)
- [RedHat[®] Enterprise Linux 5.3 \(X86\)](#)
- [RedHat[®] Enterprise Linux 5.3 \(AMD64/Intel EM64T\)](#)
- Fedora Core 7 (x86)
- Fedora Core 7 (AMD64/Intel EM64T)
- Fedora Core 9 (x86)
- Fedora Core 9 (AMD64/Intel EM64T)
- [Fedora Core10 \(X86\)](#)
- [Fedora Core10 \(AMD64/Intel EM64T\)](#)

● Novell SuSE Linux Series:

- SuSE Linux Professional 10.2 (x86)
- SuSE Linux Professional 10.2 (AMD64/Intel EM64T)
- SuSE Linux Professional 9.3(x86)
- SuSE Linux Professional 9.3(AMD64/Intel EM64T)
- SuSE Linux Enterprise 10 With SP2 (x86)
- SuSE Linux Enterprise 10 With SP2 (x86) (AMD64/Intel EM64T)
- Open SuSE Linux Professional 10.3 (x86)
- Open SuSE Linux Professional 10.3 (AMD64/Intel EM64T)
- [Open SuSE Linux Professional 11.0 \(x86\)](#)
- [Open SuSE Linux Professional 11.0 \(AMD64/Intel EM64T\)](#)
- [Open SuSE Linux Professional 11.1 \(x86\)](#)
- [Open SuSE Linux Professional 11.1 \(AMD64/Intel EM64T\)](#)

● Apple MAC system

- Mac OS X v10.4
- Mac OS X v10.5

10. Web Browsers

- Internet Explorer 6 with Service Pack 2 (Version:6.0.2900.2180)
- Internet Explorer 7 with Vista (Version:7.0.6000.16386)
- Internet Explorer 7 with Windows2008 (Version:7.0.6001.18000)
- Mozilla (Version:1.7.13)
- Firefox (Version:2.0)
- Netscape Navigator (Version:7.02)
- Safari for Mac OS X v10.4 system (Version:2.0.4)
- Safari for Mac OS X v10.5 system (Version:3.0.4)

11. FTP Client Utilities

Windows	Internet Explorer 6 with Service Pack 2 (Version: Version:6.0.2900.2180)
	Internet Explorer 7 (Version: 7.0.6000.16386)
	SmartFTP 2.5.1008
	FileZilla (Version:3.0.9.2)
	FlashFXP (Version:3.6.0)
Linux	FileZilla_3.0.7.1
MAC	Fetch 5.3
	Transmit 3.5.5