



Merit LILIN Application Note

Recommended HDDs for NAV Recorders

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Subject: Recommended hard disk drives (HDDs) for LILIN Navigator Enterprise (NAV) and Navigator Corporate Servers
 NAV Servers: NAV3025, NAV2036, NAV1036, NAV1072, NAV1108, NAV16036~NAV24108

General Recommendation for NAV HDDs

	NAV3025	NAV2036	NAV1036~NAV1108	NAV16036~~NAV24108
Maximum HDD size	Up to 10TB	Up to 10TB	Up to 10TB	Up to 10TB
Non-RAID	WD RE (Datacenter)	WD RE (Datacenter)		
(recommended)	WD RE (Datacenter)	WD RE (Datacenter)	WD RE	WD RE

Intel RST software RAID: Certified HDDS for NAV3025, NAV 2036, NAV3600

Model number	Capacity	Interface	RPM	Cache
WD101KFBX	10TB	SATA 6Gb s	7200	256MB
WD8001FFWX	8TB	SATA 6Gb s	7200	128MB
WD6002FFWX	6TB	SATA 6Gb s	7200	128MB
WD4002FFWX	4TB	SATA 6Gb s	7200	64MB
WD2002FFSX	2TB	SATA 6Gb s	7200	64MB

LSI 9260-8I/4I, 9361-8I/4I RAID card: Certified HDDS for NAV1036, NAV1072, NAV1108, NAV16036, NAV16072, NAV16108, NAV24036, NAV24072, NAV24108, NAV08036, NAV08072, NAV08108, NAV08036A, NAV08072A, NAV08108A

Brand	Model #	Type	Capacity	Interface	Buffer	RPM Class	Bay
WD	WD80EFZX	Red NAS	8TB	SATA 6Gb s	128MB	5400 rpm	1-8 Bay
WD	WD80EFAX	Red NAS	8TB	SATA 6Gb s	256MB	5400 rpm	1-8 Bay
WD	WD60EFRX	Red NAS	6TB	SATA 6Gb s	64MB	5400 rpm	1-8 Bay
WD	WD40EFRX	Red NAS	4TB	SATA 6Gb s	64MB	5400 rpm	1-8 Bay
WD	WD30EFRX	Red NAS	3TB	SATA 6Gb s	64MB	5400 rpm	1-8 Bay
WD	WD20EFRX	Red NAS	2TB	SATA 6Gb s	64MB	5400 rpm	1-8 Bay
WD	WD10EFRX	Red NAS	1TB	SATA 6Gb s	64MB	5400 rpm	1-8 Bay
WD	WD8001FFWX	Red Pro NAS	8TB	SATA 6Gb s	128MB	7200 rpm	8-16 Bay
WD	WD8003FFBX	Red Pro NAS	8TB	SATA 6Gb s	256MB	7200 rpm	8-16 Bay
WD	WD6002FFWX	Red Pro NAS	6TB	SATA 6Gb s	128MB	7200 rpm	8-16 Bay

WD	WD6003FFBX	Red Pro NAS	6TB	SATA 6Gb s	256MB	7200 rpm	8-16 Bay
WD	WD4002FFWX	Red Pro NAS	4TB	SATA 6Gb s	128MB	7200 rpm	8-16 Bay
WD	WD4003FFBX	Red Pro NAS	4TB	SATA 6Gb s	256MB	7200 rpm	8-16 Bay
WD	WD2002FFSX	Red Pro NAS	2TB	SATA 6Gb s	64MB	7200 rpm	8-16 Bay
WD	WD8002FRYZ	Enterprise-Gold	8TB	SATA 6Gb s	128MB	7200 rpm	16-24 Bay
WD	WD8003FRYZ	Enterprise-Gold	8TB	SATA 6Gb s	256MB	7200 rpm	16-24 Bay
WD	WD6002FRYZ	Enterprise-Gold	6TB	SATA 6Gb s	128MB	7200 rpm	16-24 Bay
WD	WD4002FYF	Enterprise-Gold	4TB	SATA 6Gb s	128MB	7200 rpm	16-24 Bay
WD	WD2005FBYZ	Enterprise-Gold	2TB	SATA 6Gb s	128MB	7200 rpm	16-24 Bay
WD	WD1005FBYZ	Enterprise-Gold	1TB	SATA 6Gb s	128MB	7200 rpm	16-24 Bay

Brand	Model #	Type	Capacity	Interface	Buffer	RPM Class	Bay
Seagate	ST12000VN0007	IronWolf	12TB	SATA 6Gb s	256MB	7200 rpm	1-8 Bay
Seagate	ST10000VN0004	IronWolf	10TB	SATA 6Gb s	256MB	7200 rpm	1-8 Bay
Seagate	ST8000VN0022	IronWolf	8TB	SATA 6Gb s	256MB	7200 rpm	1-8 Bay
Seagate	ST6000VN0033	IronWolf	6TB	SATA 6Gb s	256MB	7200 rpm	1-8 Bay
Seagate	ST4000VN008	IronWolf	4TB	SATA 6Gb s	64MB	5900 rpm	1-8 Bay
Seagate	ST3000VN007	IronWolf	3TB	SATA 6Gb s	64MB	5900 rpm	1-8 Bay
Seagate	ST2000VN004	IronWolf	2TB	SATA 6Gb s	64MB	5900 rpm	1-8 Bay
Seagate	ST1000VN002	IronWolf	1TB	SATA 6Gb s	64MB	5900 rpm	1-8 Bay
Seagate	ST8000NE0004	IronWolf Pro	8TB	SATA 6Gb s	256MB	7200 rpm	8-16 Bay
Seagate	ST6000NE0023	IronWolf Pro	6TB	SATA 6Gb s	256MB	7200 rpm	8-16 Bay
Seagate	ST4000NE0025	IronWolf Pro	4TB	SATA 6Gb s	128MB	7200 rpm	8-16 Bay
Seagate	ST2000NE0025	IronWolf Pro	2TB	SATA 6Gb s	128MB	7200 rpm	8-16 Bay

Note: For NAV3025, only mother board H270N-WIFI with BIOS version “F1” can support 10TB HDD.



Contact

Contact lilin.zendesk.com for technical support.