Vess A8020
Compatibility List

Date: Aug. 20, 2021   Version: 1.0

Vess A8020 System Covered:
- **Vess A8020**   – Tower/2-bays Storage Appliance for Video Surveillance

System Versions Covered:
- **InstallPkg**   – Version 1.00.0000.03

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.

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Document History

Date	Release Label	Release Version	Notes
Mar. 3, 2020	FCS	First release Qualified some devices: ● SATA Hard Drive: 6 models ● OS: 1 set ● VMS: 1 model	ST8000VX004 MD04ABA400V MD06ACA10TV MD06ACA800V MD06ACA600V DT01ABA200V
June 19, 2020	FCS	Based on last released compatibility list with new added disk drive devices: (blue and orange-color highlights) ● SATA Hard Drive: 4 models	ST4000VX007 ST3000VX010 ST2000VX008 ST1000VX005
Aug. 20, 2021	SR1	Based on last released compatibility list with new added disk drive devices: (blue and orange-color highlights) ● SATA Hard Drive: 10 models	ST10000VE001 ST80000VE001 MG08ADA800E MG08ADA600E MG08ADA400E MN08ADA400E WD40PURZ WD30PURZ WD20PURZ WD10PURZ

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1. SATA Hard Drives

Vendor	Family	Model	Capacity	Part Number	Firmware	Buffer	Drive Transfer Rate	Form Factor	RPM
Seagate	Surveillance HDD SkyHawk	ST8000VX004	8TB	2M1101-500	AV01	256MB	6Gb/s	3.5"	7200
		ST4000VX007	4TB	2DT166-300	CV11	64MB	6Gb/s	3.5"	5900
		ST3000VX010	3TB		CV11	64MB	6Gb/s	3.5"	5900
		ST2000VX008	2TB		CV11	64MB	6Gb/s	3.5"	5900
		ST1000VX005	1TB		CV11	64MB	6Gb/s	3.5"	5900
	Surveillance HDD SkyHawk AI	ST10000VE001	10TB	WP000M16	EV01	256MB	6Gb/s	3.5"	7200
		ST80000VE001	8TB		EV01	256MB	6Gb/s	3.5"	7200
TOSHIBA	Surveillance HDD MD04ABAxxxV	MD04ABA400V	4TB	HDEUR11GZA51	FP2T	128MB	6Gb/s	3.5"	5400
	Surveillance HDD MD06ACAxxxV	MD06ACA10TV	10TB	HDETV10GZA51	0603	256MB	6Gb/s	3.5"	7200
		MD06ACA800V	8TB		0603	256MB	6Gb/s	3.5"	7200
		MD06ACA600V	6TB		0603	256MB	6Gb/s	3.5"	7200
	Video Stream HDD DT01ABAxxxV	DT01ABA200V	2TB	HDKPJ25A1A01	MZ4OABB0	32MB	6Gb/s	3.5"	5700
	Enterprise HDD MG08-D Series	MG08ADA800E	8TB	HDEJX14GEA51	0101	256MB	6Gb/s	3.5"	7200
		MG08ADA600E	6TB		0101	256MB	6Gb/s	3.5"	7200
		MG08ADA400E	4TB		0101	256MB	6Gb/s	3.5"	7200
	NAS HDD MN08ADAxxx E	MN08ADA400E	4TB	HDEMX12GEA51	0601	256MB	6Gb/s	3.5"	7200
Western Digital	Surveillance HDD WD Purple	WD40PURZ	4TB	85AKKY0	80.00A80	64MB	6Gb/s	3.5"	5400
		WD30PURZ	3TB		80.00A80	64MB	6Gb/s	3.5"	5400
		WD20PURZ	2TB		80.00A80	64MB	6Gb/s	3.5"	5400
		WD10PURZ	1TB		80.00A80	64MB	6Gb/s	3.5"	5400

↳ In a RAID array setup, we recommend using the enterprise level hard drive as it has much better command timeout control and features stable reliability to vibration compared to desktop one for critical applications.

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↳ **BLUE Models are new additions actual in test to this release.**

↳ **ORANGE Capacities are assumed to work but were not tested.**

2. Operating Systems

Vendor	Core Platform	Type	Available Models
Microsoft	Windows 10 Enterprise	x64	A8020

3. VMS Compatibility List

Vendor	VMS Version
Milestone	Xprotect Corporate 2020 R1b (20.1b)

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