Vess A2330
SR2 Compatibility List

Date: Oct. 24th, 2018 Version: 1.3

Vess A2330 System Covered:

- **Vess A2330** – 2U/6-bays NVR Storage Appliance

System Versions Covered:

- **InstallPkg** – Version 0.02.0000.08

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
April 15, 2016	FCS	First release Qualified some devices: ● SATA Hard Drive: 25 models ● OS: 2 sets ● USB Flash Drive: 10 models.	
May 20, 2016	FCS	Based on last released compatibility list with new added disk drive devices: (blue and orange-color highlights) ● SATA Hard Drive: 14 models ● VMS: 3 models	HUH728080ALE600 HUH728060ALE600 HUS726060ALA640 MG04ACA600E MG04ACA500E MG04ACA400E WD60PURX WD50PURX WD40PURX WD30PURX WD20PURX WD10PURX WD05PURX WD4NPURX
July 28, 2016	FCS	Based on last released compatibility list with new added disk drive devices: (blue and orange-color highlights) ● Update hard drive firmware: 4 models ● SATA Hard Drive: 2 models ● VMS: 1 model ● External Storage: 2 models	Update firmware: ST4000NM0033 ST3000NM0033 ST2000NM0033 ST1000NM0033 New Hard Drive: MD04ABA500V MD04ABA400V
Aug. 26, 2016	FCS	Based on last released compatibility list with new added disk drive devices: (blue and orange-color highlights) ● SATA Hard Drive: 2 models ● External Storage: 1 model ● Sliding Rail: 1 model	ST4000VX000 ST3000VX002
Sep. 2, 2016	FCS	Modify the description for the External Storage.	
Sep. 29, 2016	SR1	Based on last released compatibility list with new added disk drive devices: (blue and orange-color highlights) ● SATA Hard Drive: 8 models	ST10000VX0004 ST6000NM0024 ST5000NM0024 ST4000NM0024 ST2000NM0024 ST6000NM0115 MG05ACA800E MG05ACA600E
Oct. 3, 2016	SR1	Remove the information of BootLoader/ Firmware/ Software version.	
Oct. 31, 2016	SR1	Based on last released compatibility list with new added disk drive devices: (blue and orange-color highlights)	Update firmware: WD4000F9YZ WD3000F9YZ

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		● Update hard drive firmware: 3 models ● SATA Hard Drive: 4 models	WD2000F9YZ New Hard Drive: ST3000VX002 ST2000VX003 HUH721010ALE600 HUH721008ALE600
Dec. 5, 2016	SR1	Based on last released compatibility list with new added disk drive devices: (blue and orange-color highlights) ● SATA Hard Drive: 4 models ● VMS: 2 models	New Hard Drive: HUS726060ALE610 HUS726050ALE610 HUS726040ALE610 HUS726020ALE610
Jan. 24, 2017	SR2	Based on last released compatibility list with new added disk drive devices: (blue and orange-color highlights) ● SATA Hard Drive: 4 models ● OS: 2 sets ● VMS: 1 model ● Add-On Card: 1 model	New Hard Drive: ST6000VX0001 ST5000VX0001 ST8000VX0022 ST6000VX0023
Feb. 13, 2017	SR2	Modify VMS version	
Sep. 12, 2017	SR2	Based on last released compatibility list with new added disk drive devices: (blue and orange-color highlights) ● SATA Hard Drive: 2 models ● OS: 1 set	ST10000NM0016 ST8000NM0016
Dec. 7, 2017	SR2	Based on last released compatibility list with new added disk drive devices: (blue and orange-color highlights) ● VMS: 2 models	
Oct. 8, 2018	SR2	Based on last released compatibility list with new added disk drive devices: (blue and orange-color highlights) ● SATA Hard Drive: 9 models ● Update hard drive firmware: 1 model	New Hard Drive: HUH721212ALE600 ST8000NM0055 MD06ACA10TV MD06ACA800V MD06ACA600V MG06ACA10TE MG06ACA800E MG06ACA600E WD6002FRYZ Update firmware: ST6000NM0115

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1. SATA Hard Drives

Vendor	Family	Model	Capacity	Part Number	Firmware	Buffer	Drive Transfer Rate	Form Factor	RPM
HGST	Ultrastar 7K4000	HUS724040ALE640	4TB	H3U40006472SE	MJAOA3B0	64MB	6Gb/s	3.5”	7200
		HUS724030ALE640	3TB		MJAOA3B0	64MB	6Gb/s	3.5”	7200
		HUS724020ALE640	2TB		MJAOA3B0	64MB	6Gb/s	3.5”	7200
		HUS724040ALA640	4TB	H3U40006472S	MFAOAA70	64MB	6Gb/s	3.5”	7200
		HUS724030ALA640	3TB		MFAOAA70	64MB	6Gb/s	3.5”	7200
		HUS724020ALA640	2TB		MFAOAA70	64MB	6Gb/s	3.5”	7200
	Ultrastar 7K3000	HUA723020ALA640	2TB	H3U20006472S	MK7OAA10	64MB	6Gb/s	3.5”	7200
	Ultrastar 7K6000	HUS726060ALE610	6TB	0F23001	APGNT907	128MB	6Gb/s	3.5”	7200
		HUS726050ALE610	5TB		APGNT907	128MB	6Gb/s	3.5”	7200
		HUS726040ALE610	4TB		APGNT907	128MB	6Gb/s	3.5”	7200
		HUS726020ALE610	2TB		APGNT907	128MB	6Gb/s	3.5”	7200
	Ultrastar He8	HUH728080ALE600	8TB	0F23267	A4GNT7J0 A4GNT907	128MB	6Gb/s	3.5”	7200
		HUH728060ALE600	6TB	0F23269	A4GNT7J0 A4GNT907	128MB	6Gb/s	3.5”	7200
	Ultrastar He6	HUS726060ALA640	6TB	0F18335	AHGNT1EL	64MB	6Gb/s	3.5”	7200
	Ultrastar He10	HUH721010ALE600	10TB	0F27452	LHGNT21D	256MB	6Gb/s	3.5”	7200
		HUH721008ALE600	8TB		LHGNT21D	256MB	6Gb/s	3.5”	7200
	Ultrastar He12	HUH721212ALE600	12TB	0F30144	LEGNT3D0	256MB	6Gb/s	3.5”	7200
Seagate	Constellation ES.3	ST4000NM0033	4TB	9ZM170-003	SN03 SN06	128MB	6Gb/s	3.5”	7200
		ST3000NM0033	3TB		SN03 SN06	128MB	6Gb/s	3.5”	7200
		ST2000NM0033	2TB		SN03 SN06	128MB	6Gb/s	3.5”	7200
		ST1000NM0033	1TB		SN03 SN06	128MB	6Gb/s	3.5”	7200
	Surveillance HDD	ST10000VX0004	10TB	1ZE101-500	AV01	256MB	6Gb/s	3.5”	7200
		ST8000VX0002	8TB	1Z6112-500	AV01	256MB	6Gb/s	3.5”	7200
		ST6000VX0001	6TB	1SH17Z-500	VN01	128MB	6Gb/s	3.5”	7200
		ST5000VX0001	5TB		VN01	128MB	6Gb/s	3.5”	7200
		ST4000VX000	4TB	2AG166-300	CV11	64MB	6Gb/s	3.5”	5900
		ST3000VX002	3TB	1HH166-500	CV11	64MB	6Gb/s	3.5”	5900
		ST2000VX003	2TB		CV11	64MB	6Gb/s	3.5”	5900

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	SkyHawk	ST10000VX0004	10TB	1ZE101-500	AV01	256MB	6Gb/s	3.5”	7200
		ST8000VX0022	8TB		AV01	256MB	6Gb/s	3.5”	7200
		ST6000VX0023	6TB	2EF110-300	SC60	256MB	6Gb/s	3.5”	7200
	Enterprise Capacity 3.5 HDD v4	ST6000NM0024	6TB	1HT17Z-001	SN05	128MB	6Gb/s	3.5”	7200
		ST5000NM0024	5TB		SN05	128MB	6Gb/s	3.5”	7200
		ST4000NM0024	4TB		SN05	128MB	6Gb/s	3.5”	7200
		ST2000NM0024	2TB		SN05	128MB	6Gb/s	3.5”	7200
	Enterprise Capacity 3.5 HDD	ST8000NM0055	8TB	1RM112-101	SN05	256MB	6Gb/s	3.5”	7200
		ST6000NM0115	6TB	1YZ110-002	SN02	256MB	6Gb/s	3.5”	7200
					SN05				
	Enterprise Capacity 3.5 HDD v6	ST10000NM0016	10TB	1TT101-002	SND0	256MB	6Gb/s	3.5”	7200
		ST8000NM0016	8TB		SND0	256MB	6Gb/s	3.5”	7200
TOSHIBA	MG04ACAxxxE	MG04ACA600E	6TB	HDEPS10GEA51	FS3B	128MB	6Gb/s	3.5”	7200
		MG04ACA500E	5TB		FP3B	128MB	6Gb/s	3.5”	7200
		MG04ACA400E	4TB		FP3B	128MB	6Gb/s	3.5”	7200
		MG04ACA300E	3TB	HDEPR12GEA51	FP3B	128MB	6Gb/s	3.5”	7200
		MG04ACA200E	2TB		FP3B	128MB	6Gb/s	3.5”	7200
	MC04ACAxxxE	MC04ACA400E	4TB	HDERR11GEA51	FP2A	128MB	6Gb/s	3.5”	7200
		MC04ACA300E	3TB		FP2A	128MB	6Gb/s	3.5”	7200
		MC04ACA200E	2TB		FP2A	128MB	6Gb/s	3.5”	7200
	MD04ABAxxxV	MD04ABA500V	5TB	HDEUR10GZA51	FP1T	128MB	6Gb/s	3.5”	5400
		MD04ABA400V	4TB		FP1T	128MB	6Gb/s	3.5”	5400
	MD06ACAxxxV	MD06ACA10TV	10TB	HDETV10GZA51	0603	256MB	6Gb/s	3.5”	7200
		MD06ACA800V	8TB	HDETV11G2A51	0603	256MB	6Gb/s	3.5”	7200
		MD06ACA600V	6TB	HDETV13GZA51	0603	256MB	6Gb/s	3.5”	7200
	MG05ACAxxxE	MG05ACA800E	8TB	HDEPT10GEA51	GX0A	128MB	6Gb/s	3.5”	7200
		MG05ACA600E	6TB		GX0A	128MB	6Gb/s	3.5”	7200
	MG06ACAxxxE	MG06ACA10TE	10TB	HDEPV10GEA51	0104	256MB	6Gb/s	3.5”	7200
		MG06ACA800E	8TB		0104	256MB	6Gb/s	3.5”	7200
		MG06ACA600E	6TB		0104	256MB	6Gb/s	3.5”	7200
Western Digital	WD RE	WD4000FYYZ	4TB	01UL1B2	01.01K03	64MB	6Gb/s	3.5”	7200
		WD3000FYYZ	3TB		01.01K03	64MB	6Gb/s	3.5”	7200
		WD2000FYYZ	2TB		01.01K03	64MB	6Gb/s	3.5”	7200
	WD SE	WD4000F9YZ	4TB	09N20L0	01.01A01	64MB	6Gb/s	3.5”	7200
					01.01A02				
		WD3000F9YZ	3TB		01.01A01	64MB	6Gb/s	3.5”	7200
					01.01A02				
		WD2000F9YZ	2TB		01.01A01	64MB	6Gb/s	3.5”	7200
					01.01A02				

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	WD Purple	WD60PURX	6TB	64LZMY0	80.00A80	64MB	6Gb/s	3.5”	5400
		WD50PURX	5TB		80.00A80	64MB	6Gb/s	3.5”	5400
		WD40PURX	4TB		80.00A80	64MB	6Gb/s	3.5”	5400
		WD30PURX	3TB		80.00A80	64MB	6Gb/s	3.5”	5400
		WD20PURX	2TB		80.00A80	64MB	6Gb/s	3.5”	5400
		WD10PURX	1TB		80.00A80	64MB	6Gb/s	3.5”	5400
		WD05PURX	500GB		80.00A80	64MB	6Gb/s	3.5”	5400
	WD Purple NV	WD4NPURX	4TB	64TPFY0	80.00A80	64MB	6Gb/s	3.5”	5400
	WD Gold Datacenter	WD6002FRYZ	6TB	2W10021	01.01M03	128MB	6Gb/s	3.5”	7200

- 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.
- Some listed devices may go EOL. AVL listing does not imply market availability.
- **BLUE Models are new additions actual in test to this release.**
- **ORANGE Capacities are assumed to work but were not tested.**

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2. Compatible USB Flash Drives

Vendor	Model	Capacity	Interface
TDK	LoR TF30 32GB Flash Drive	32GB	USB 3.0
Transcend	JetFlash 730 Flash Drive	16GB	USB 3.0
A-DATA	UV128 Flash Drive	16GB	USB 3.0
Toshiba	TransMemory-MX Flash Drive	16GB	USB 3.0
Sandisk	CZ80 Extreme Flash Drive	32GB	USB 3.0
A-DATA	Classic C103 Flash Drive	16GB	USB 3.0
Sony	Micro Vault USM-Q Flash Drive	32GB	USB 3.0
Kingston	DataTraveler 101 G2 Flash Drive	16GB	USB 2.0
Sandisk	Cruzer Contour CZ8 Flash Drive	16GB	USB 2.0
Transcend	JetFlash 330 Flash Drive	8GB	USB 2.0

3. Operating Systems

Vendor	Core Platform	Type	Available Models
Microsoft	Windows Embedded Standard 7 Service Pack 1	x64	A2330
	Windows 7 Professional Service Pack 1	x64	A2330
	Windows 10 IoT Enterprise	x64	A2330
	Windows 10 Enterprise	x64	A2330
	Windows Server 2012 Standard R2	X64	A2330

4. Vess A2330 VMS Compatibility List

Vendor	VMS Version
Milestone	Xprotect Corporate 2016 (10.0a)
	Xprotect Corporate 2017 R2 (11.2a)
	Xprotect Enterprise 2016 (10.0a)
	Xprotect Enterprise 2016 R3 (10.2a)
	Xprotect Professional 2016 (10.0a)
	Xprotect Professional 2016 R3 (10.2a)
	Xprotect Professional 2017 R2 (11.2a)
Aimetis	Symphony 6.14.7.1
Digifort	Enterprise 7.1.0.0

5. External Storage Compatibility List

Vendor	Models	Interface
Promise	Vess R2600iD / R2600iS	1Gbps iSCSI
	Vess R2810i / R2812i	1Gbps iSCSI

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	Vess R2610i / R2612i	1Gbps iSCSI

➧ Vess J2000 Series is a robust storage expansion platform and it can be added to all Vess R2000 RAID subsystem. Please refer to Vess R2000 Series Compatibility List.

6. Sliding Rail Compatibility List

Vendor	Models	P/N
Promise	Promise.2U.Support rail 550-900	F29VA2S20000002

7. Add-On Card Compatibility List

Vendor	Models	Description
Promise	M.2 Expansion RAID Card	Extension RAID Board.64G M2*2

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