Vess A3340
SR2.1 Compatibility List

Date: Dec. 7th, 2017 **Version: 1.0**

Vess A3340 System Covered:

- **Vess A3340** – 2U/8-bays NVR Storage Appliance

System Versions Covered:

- **InstallPkg** – Version 0.02.0000.11

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
May 20, 2016	FCS	First release Qualified some devices: ● SATA Hard Drive: 35 models ● OS: 2 sets ● USB Flash Drive: 10 models. ● VMS: 3 models	
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: 7 models ● SATA Hard Drive: 2 models ● VMS: 1 model ● External Storage: 2 model	Update firmware: ST4000NM0033 ST3000NM0033 ST2000NM0033 ST1000NM0033 WD4000F9YZ WD3000F9YZ WD2000F9YZ New Hard Drive: MD04ABA500V MD04ABA400V
Aug. 25, 2016	FCS	Based on last released compatibility list with new added disk drive devices, new VMS software and other Hardware device: (blue and orange-color highlights) ● SATA Hard Drive: 2 models ● External Storage: 1 model ● CPU: 2 models ● Memory: 2 models ● 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, new VMS software and other Hardware device: (blue and orange-color highlights) ● SATA Hard Drive: 8 models ● Memory: 1 model	MG05ACA800E MG05ACA600E ST6000NM0115 ST6000NM0024 ST5000NM0024 ST4000NM0024 ST2000NM0024 ST10000VX0004
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, new VMS software and other Hardware device: (blue and orange-color highlights) ● SATA Hard Drive: 2 models ● Memory: 1 model	ST3000VX002 ST2000VX003
Dec. 5, 2016	SR1	Based on last released compatibility list with new added disk drive devices, new VMS software and other Hardware device: (blue	New Hard Drive: HUS726060ALE610 HUS726050ALE610

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		and orange-color highlights) ● SATA Hard Drive: 4 models ● VMS: 1 model	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: 3 sets ● VMS: 1 model ● Add-On Card: 1 model	New Hard Drive: ST6000VX0001 ST5000VX0001 ST8000VX0022 ST6000VX0023
Feb. 13, 2017	SR2	Modify VMS version	
Sep. 06, 2017	SR2	Based on last released compatibility list with new added disk drive devices: (blue and orange-color highlights) ● Update hard drive firmware: 2 models ● SATA Hard Drive: 6 models ● OS: 3 sets ● VMS: 1 model ● Network Interface Card: 3 models	Update firmware: MG05ACA800E MG05ACA600E New Hard Drive: WD8002FRYZ WD6002FRYZ ST10000NM0016 ST8000NM0016 HUH721010ALE600 HUH721008ALE600
Sep. 26, 2017	SR2	Based on last released compatibility list with new added disk drive devices: (blue and orange-color highlights) ● OS: 2 sets ● External Graphics Card: 2 models ● Correct the HDD FW: 2 models	Correct HDD FW: HUH728080ALE600 HUH728060ALE600
Dec. 7, 2017	SR2.1	Based on last released compatibility list with new added disk drive devices: (blue and orange-color highlights) ● OS: 1 set ● VMS: 4 models ● Network Interface Card: 1 model	

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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	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 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		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
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
	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	ST6000NM0115	6TB	1YZ110-002	SN02	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

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		ST2000NM0024	2TB		SN05	128MB	6Gb/s	3.5”	7200
	Enterprise Capacity 3.5 HDD (Helium) v6	ST10000NM0016	10TB	1TT101-002	SND0	256MB	6Gb/s	3.5”	7200
		ST8000NM0016	8TB		SND0	256MB	6Gb/s	3.5”	7200
TOSHIBA	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
	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		FP3B	128MB	6Gb/s	3.5”	7200
		MG04ACA200E	2TB		FP3B	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
	MG05ACAxxxE	MG05ACA800E	8TB	HDEPT10GEA51	GX0A GX1A	128MB	6Gb/s	3.5”	7200
		MG05ACA600E	6TB	HDEPT11GEA51	GX0A GX1A	128MB	6Gb/s	3.5”	7200
Western Digital	WD SE	WD4000F9YZ	4TB	09N20L0	01.01A01 01.01A02	64MB	6Gb/s	3.5”	7200
		WD3000F9YZ	3TB		01.01A01 01.01A02	64MB	6Gb/s	3.5”	7200
		WD2000F9YZ	2TB		01.01A01 01.01A02	64MB	6Gb/s	3.5”	7200
	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 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	WD8002FRYZ	8TB	2W10104	01.01H01	128MB	6Gb/s	3.5”	7200
		WD6002FRYZ	6TB	2W10001	01.01M02	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.**

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- **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	A3340
	Windows 7 Professional Service Pack 1	x64	A3340
	Windows 10 IoT Enterprise	x64	A3340
	Windows 10 Enterprise	x64	A3340
	Windows Embadded Server 2012 R2 Standard	x64	A3340
	Windows Storage Server 2012 R2 Standard	x64	A3340
	Windows Server 2016	x64	A3340
	Windows Storage Server 2016	x64	A3340

4. Vess A3340 VMS Compatibility List

Vendor	VMS Version
Milestone	Xprotect Corporate 2016 (10.0a)
	Xprotect Corporate 2016 R3 (10.2b)
	Xprotect Enterprise 2016 (10.0a)
	Xprotect Professional 2016 (10.0a)
	Xprotect Corporate 2017 R2 (11.2a)
	Xprotect Professional 2017 R2 (11.2a)
Aimetis	Symphony 6.14.7.1
Digifort	Enterprise 7.1.0.0
Axxonsoft	AxxonNext 4.0.0.4316
Genetec	Genetec 5.5 SR3

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5. External Storage Compatibility List

Vendor	Models	Interface
Promise	Vess R2600iD / R2600iS	1Gbps iSCSI
	Vess R2810i / R2812i	1Gbps iSCSI
	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. CPU Compatibility List

Vendor	Models	Cores	L3 Cache Size	TDP
Intel	Intel® Xeon® CPU E3-1275 v5 @ 3.60GHz	4	8MB	80W
Intel	Intel® Xeon® CPU E3-1225 v5 @ 3.30GHz	4	8MB	80W

7. Memory Compatibility List

Vendor	Models	Type	Size
ADATA	ADATA DDR4-2133(15) 8GX16 U-DIMM (AD4U2 133W8G15-BSSD)	DDR4	8GB
ADATA	ADATA DDR4-2133 8GX18 ECC-DIMM (AD4E2133W8G15-BHYA)	DDR4	8GB
Transcend	Transcend DDR4-2133 8G 2Rx8 ECC-DIMM (D21533-0554)	DDR4	8GB
ADATA	ADATA DDR4-2133 8GX18 ECC-DIMM (AD4E2133W8G15-BSSE)	DDR4	8GB

8. Sliding Rail Compatibility List

Vendor	Models	P/N
Promise	King-slide.2U L-rail .A861-557	F29VA3420000014

9. Add-On Card Compatibility List

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

10.Network Interface Card Compatibility List

Vendor	Models	Description
Mellanox	MCX353A-FCBT Network Interface Card	Single FDR 40GbE
Mellanox	MCX312C-XCCT Network Interface Card	10GbE Dual-port SFP+
Mellanox	MCX312A-XCBT Network Interface Card	10GbE Dual-port SFP+
Intel	Intel® Ethernet Controller X550-T2	10GbE Base-T Dual-port

11.External Graphics Card Compatibility List

Vendor	Model	VBIOS/Win. Driver
Sparkle	NVIDIA GeForce GTX 750 Ti	82.7.32.0.50 /22.21.13.8476

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Sparkle	nVidia GeForce GT730	80.28.78.0.12/9.18.13.3750

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