Vess A3340
SR5 Compatibility List

Date: July 12, 2021 Version: 1.0

Vess A3340 System Covered:

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

System Versions Covered:

- **InstallPkg** – Version 5.00.0000.04

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	
Oct. 8, 2018	SR2.2	Based on last released compatibility list with new added disk drive devices: (blue and orange-color highlights) ● Memory: 4 model ● CPU: 5 models ● SATA Hard Drive: 14 models ● Update hard drive firmware: 4 models ● VMS: 1 model	New Hard Drive: MG07ACA14TE MG07ACA12TE MG06ACA10TE MG06ACA800E MG06ACA600E MD06ACA10TV MD06ACA800V MD06ACA600V ST8000NM0055 ST4000VX007 ST3000VX010 ST2000VX008 ST1000VX005 HUH721212ALE600 Update firmware:

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			MG05ACA800E MG05ACA600E ST6000NM0115 WD6002FRYZ
Feb. 18, 2019	SR2.2	Based on last released compatibility list with new added disk drive devices: (blue and orange-color highlights) ● SATA Hard Drive: 3 models ● VMS: 1 model	New Hard Drive: WD101PURZ WUH721414ALE6L4 ST8000VE0004
June 18, 2019	SR2.3	Based on last released compatibility list with new added disk drive devices: (blue and orange-color highlights) ● SATA Hard Drive: 7 models ● Update hard drive firmware: 9 models ● VMS: 2 models	SATA New HDD: ST14000NM0018 ST12000NM0008 ST10000NM0478 ST4000NM0035 ST3000NM0005 ST2000NM0055 ST1000NM0055 Update firmware: MG04ACA600E MG04ACA500E MG04ACA400E MG04ACA300E MG04ACA200E MD04ABA400V MC04ACA400E MC04ACA300E MC04ACA200E
Oct 31, 2019	SR2.3	Based on last released compatibility list with new added disk drive devices: (blue and orange-color highlights) ● SATA Hard Drive: 11 models ● VMS: 3 models	ST8000NM000A ST6000NM021A ST4000NM002A ST2000NM001A ST4000NM0115 ST2000NM0125 ST16000NM001G ST14000NM001G HUS728T8TALE6L4 HUS726T6TALE6L4 HUS726T4TALE6L4
Dec 6, 2019	SR2.4	Based on last released compatibility list with new added disk drive devices: (blue and orange-color highlights) ● SATA Hard Drive: 6 models ● OS: 2 models ● VMS: 1 model ● Network Interface Card: 1 model	ST16000VE000 ST14000VE0008 ST12000VE0008 ST10000VE0008 ST6000VX001 ST3000VX009
June 17, 2020	SR2.4	Based on last released compatibility list with new added disk drive devices: (blue and orange-color highlights) ● SATA Hard Drive: 7 models ● Update hard drive firmware: 6 models	New Hard Drive: MG08ACA16TE ST8000VX004 ST6000NM002A ST4000NM000A

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		● VMS: 1 model ● External Storage: 1 model ● Network Interface Card: 1 model	ST3000NM000A ST2000NM000A ST1000NM000A Update firmware: ST8000NM000A ST6000NM021A ST4000NM002A ST2000NM001A ST16000NM001G ST14000NM001G
Jan. 18, 2021	SR4.2	Based on last released compatibility list with new added disk drive devices: (blue and orange-color highlights) ● SATA Hard Drive: 7 models ● Update hard drive firmware: 5 models ● OS: 1 model	New Hard Drive: ST12000NM001G ST10000NM001G WD40PURZ WD30PURZ WD20PURZ WD10PURZ WUS721010ALE6L4 Update firmware: MG06ACA10TE MG06ACA800E MG06ACA600E MG07ACA14TE MG07ACA12TE
July 12, 2021	SR5	Based on last released compatibility list with new added disk drive devices: (blue and orange-color highlights) ● SATA Hard Drive: 7 models ● Update hard drive firmware: 1 model ● Network Interface Card: 1 model	New Hard Drive: ST10000VE001 ST80000VE001 MG08ADA800E MG08ADA600E MG08ADA400E WUH721818ALE6L4 WUH721816ALE6L4 Update firmware: HUS728T8TALE6L4

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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
	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
	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
		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

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	ST1000VX005	1TB		CV11	64MB	6Gb/s	3.5”	5900
	ST8000VX004	8TB	2M1101-500	AV01	256MB	6Gb/s	3.5”	7200
	ST6000VX001	6TB	28D186-500	CV11	256MB	6Gb/s	3.5”	5400
	ST3000VX009	3TB		CV11	256MB	6Gb/s	3.5”	5400
SkyHawk AI	ST16000VE000	16TB	2L2103-500	EV02	256MB	6Gb/s	3.5”	7200
	ST14000VE0008	14TB		EV02	256MB	6Gb/s	3.5”	7200
	ST12000VE0008	12TB		EV02	256MB	6Gb/s	3.5”	7200
	ST10000VE0008	10TB	2KX101-500	EV01	256MB	6Gb/s	3.5”	7200
	ST8000VE0004	8TB	2K111G-500	EV01	256MB	6Gb/s	3.5”	7200
	ST10000VE001	10TB	WP000M16	EV01	256MB	6Gb/s	3.5”	7200
	ST80000VE001	8TB		EV01	256MB	6Gb/s	3.5”	7200
Exos 7E8 (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				
	ST4000NM0115	4TB		SN05	128MB	6Gb/s	3.5”	7200
	ST2000NM0125	2TB		SN05	128MB	6Gb/s	3.5”	7200
	ST4000NM0035	4TB	1V4107-001	TN04	128MB	6Gb/s	3.5”	7200
	ST3000NM0005	3TB		TN04	128MB	6Gb/s	3.5”	7200
	ST2000NM0055	2TB		TN04	128MB	6Gb/s	3.5”	7200
	ST1000NM0055	1TB		TN04	128MB	6Gb/s	3.5”	7200
	ST8000NM000A	8TB	2KE101-001	SN01	256MB	6Gb/s	3.5”	7200
				SN02				
	ST6000NM021A	6TB		SN01	256MB	6Gb/s	3.5”	7200
				SN02				
	ST4000NM002A	4TB		SN01	256MB	6Gb/s	3.5”	7200
				SN02				
	ST2000NM001A	2TB		SN01	256MB	6Gb/s	3.5”	7200
				SN02				
	ST6000NM002A	6TB	2KF100-001	TN02	256MB	6Gb/s	3.5”	7200
	ST4000NM000A	4TB		TN02	256MB	6Gb/s	3.5”	7200
	ST3000NM000A	3TB		TN02	256MB	6Gb/s	3.5”	7200
	ST2000NM000A	2TB		TN02	256MB	6Gb/s	3.5”	7200
	ST1000NM000A	1TB		TN02	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 (Helium) v6	ST10000NM0016	10TB	1TT101-002	SND0	256MB	6Gb/s	3.5”	7200
	ST8000NM0016	8TB		SND0	256MB	6Gb/s	3.5”	7200

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	Exos X14	ST14000NM0018	14TB	2H4101-002	SN02	256MB	6Gb/s	3.5”	7200
		ST12000NM0008	12TB		SN02	256MB	6Gb/s	3.5”	7200
		ST10000NM0478	10TB		SN02	256MB	6Gb/s	3.5”	7200
	Exos X16	ST16000NM001G	16TB	2KK103-001	SN01 SN03	256MB	6Gb/s	3.5”	7200
		ST14000NM001G	14TB		SN01 SN03	256MB	6Gb/s	3.5”	7200
		ST12000NM001G	12TB		SN03	256MB	6Gb/s	3.5”	7200
		ST10000NM001G	10TB		SN03	256MB	6Gb/s	3.5”	7200
TOSHIBA	MC04ACAxxxE	MC04ACA400E	4TB	HDERR11GEA51	FP2A FP3A	128MB	6Gb/s	3.5”	7200
		MC04ACA300E	3TB		FP2A FP3A	128MB	6Gb/s	3.5”	7200
		MC04ACA200E	2TB		FP2A FP3A	128MB	6Gb/s	3.5”	7200
	MG04ACAxxxE	MG04ACA600E	6TB	HDEPS10GEA51	FS3B FS4B	128MB	6Gb/s	3.5”	7200
		MG04ACA500E	5TB		FP3B FP4B	128MB	6Gb/s	3.5”	7200
		MG04ACA400E	4TB		FP3B FP4B	128MB	6Gb/s	3.5”	7200
		MG04ACA300E	3TB		FP3B FP4B	128MB	6Gb/s	3.5”	7200
		MG04ACA200E	2TB		FP3B FP4B	128MB	6Gb/s	3.5”	7200
	MD04ABAxxxV	MD04ABA500V	5TB	HDEUR10GZA51	FP1T	128MB	6Gb/s	3.5”	5400
		MD04ABA400V	4TB	HDEUR11GZA51	FP1T FP2T	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 GX1A GX2A	128MB	6Gb/s	3.5”	7200
		MG05ACA600E	6TB	HDEPT11GEA51	GX0A GX1A GX2A	128MB	6Gb/s	3.5”	7200
	MG06ACAxxxE	MG06ACA10TE	10TB	HDEPV10GEA51	0104 0108	256MB	6Gb/s	3.5”	7200

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		MG06ACA800E	8TB		0104 0108	256MB	6Gb/s	3.5”	7200
		MG06ACA600E	6TB		0104 0108	256MB	6Gb/s	3.5”	7200
	MG07ACAxxx	MG07ACA14TE	14TB	HDEPW10GEA51	0101 0103	256MB	6Gb/s	3.5”	7200
		MG07ACA12TE	12TB		0101 0103	256MB	6Gb/s	3.5”	7200
	MG08 Series	MG08ACA16TE	16TB	HDEPX10GEA51	0101	512MB	6Gb/s	3.5”	7200
	MG08-D Series	MG08ADA800E	8TB	HDEJX14GEA51	0101	256MB	6Gb/s	3.5”	7200
		MG08ADA600E	6TB		0101	256MB	6Gb/s	3.5”	7200
		MG08ADA400E	4TB	HDEJX12GEA51	0101	256MB	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	WD101PURZ	10TB	2W10242	81.H0A80	256MB	6Gb/s	3.5”	7200
		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
		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
	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 2W10021	01.01M02 01.01M03	128MB	6Gb/s	3.5”	7200
	Ultrastar DC HC550	WUH721818ALE6L4	18TB	0F38459	PCGNW120	512MB	6Gb/s	3.5”	7200
		WUH721816ALE6L4	16TB		120	512MB	6Gb/s	3.5”	7200

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	Ultrastar DC HC530	WUH721414ALE6L4	14TB	0F31284	LDGNW07A	512MB	6Gb/s	3.5”	7200
	Ultrastar DC HC330	WUS721010ALE6L4	10TB	0B42266	VXGNW920	256MB	6Gb/s	3.5”	7200
	Ultrastar DC HC320	HUS728T8TALE6L4	8TB	0B36404	V8GNW460 V8GNW980	256MB	6Gb/s	3.5”	7200
	Ultrastar DC HC310	HUS726T6TALE6L4	6TB	0B36039	VKGNW460	256MB	6Gb/s	3.5”	7200
		HUS726T4TALE6L4	4TB			256MB	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	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
	Windows Server 2019	x64	A3340
Linux	Ubuntu 18.04.03	x64	A3340
	Debian 9	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)
	Xprotect Corporate 2018 R2 (12.2a)
	Xprotect Corporate 2019 R1 (13.1a)

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	Xprotect Professional 2019 R1 (13.1a)
	Xprotect Corporate 2020 R1b (14.1b)
Aimetis	Symphony 6.14.7.1
Digifort	Enterprise 7.1.0.0
	Enterprise 7.2.1.0
Axxonsoft	AxxonNext 4.0.0.4316
Genetec	Genetec 5.5 SR3
CamIQ	CAMIQ 6.5.8
Samsung	S-1 SVMS 5.0.14.0
NetworkOptix	NX Witness_Windows 3.2.0.28738
	NX Witness_Linux 4.0.0.29987[*2]

[*2] NX Witness_Linux only support on Ubuntu OS.

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 R3600iS / R3600iD	1Gbps iSCSI

Vess J2000/J3000 Series is a robust storage expansion platform and it can be added to all Vess R2000/R3000 RAID subsystem. Please refer to Vess R2000/R3000 Series Compatibility List.

6. CPU Compatibility List (for Windows 10, Windows Server 2016 and Windows Server 2019)

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
Intel	Intel® Xeon® CPU E3-1275 v6 @ 3.80GHz[*1]	4	8MB	73W
Intel	Intel(R) Core(TM) i3-7101E CPU @ 3.90GHz[*1]	2	3MB	54W
Intel	Intel(R) Core(TM) i5-7500 CPU @ 3.4GHz[*1]	4	6MB	65W
Intel	Intel(R) Core(TM) i7-7700 CPU @ 3.6GHz[*1]	4	8MB	65W
Intel	Intel(R) Core(TM) i5-6500 CPU @ 3.20GHz	4	6MB	65W
Intel	Intel(R) Core(TM) i7-6700 CPU @ 3.4GHz	4	8MB	65W

[*1] i3-7101E, i5-7500, i7-7700 and E3-1275v6 CPU only support on Windows 10, Windows Server 2016 OS and Windows Server 2019 OS w/ BIOS P2.5 or the latest BIOS version, not support on Windows 7 and Windows Server 2012 OS.

CPU Compatibility List (for Windows 7, Windows Server 2012)

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

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Intel	Intel(R) Core(TM) i5-6500 CPU @ 3.20GHz	4	6MB	65W
Intel	Intel(R) Core(TM) i7-6700 CPU @ 3.4GHz	4	8MB	65W

*1 i3-7101E, i5-7500, i7-7700 and E3-1275v6 CPU only support on Windows 10, Windows Server 2016 OS and Windows Server 2019 OS w/ BIOS P2.5 or the latest BIOS version, not support on Windows 7 and Windows Server 2012 OS.

7. Memory Compatibility List

Vendor	Type	Speed	DIMM	Size	Module
ADATA	DDR4	2133	Non-ECC	8GB	AD4U2 133W8G15-BSSD
ADATA	DDR4	2133	ECC	8GB	AD4E2133W8G15-BHYA
Transcend	DDR4	2133	ECC	8GB	TS1GLH72V1H
ADATA	DDR4	2133	ECC	8GB	AD4E2133W8G15-BSSE
ADATA	DDR4	2400	Non-ECC	8GB	AD4U240038G17-BSSB
ADATA	DDR4	2400	Non-ECC	16GB	AD4U2400316G17-BSSB
Transcend	DDR4	2133	Non-ECC	8GB	TS1GLH64V1H
Innodisk	DDR4	2133	Non-ECC	8GB	M4U0-8GSSKCRG-H04

- Do not combine DIMMs from multiple kits – even ones of the same make. Mixing and matching DIMMs can result in failure to boot.

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
Intel	INTEL® Ethernet Service Adapter I350-T2	1GbE Base-T Dual-port
Intel	Intel® Ethernet Converged Network Adapter X710-DA2	10GbE Dual-port SFP+
Intel	Intel® Ethernet Network Adapter X710-T2L	10GbE Base-T Dual-port

11.External Graphics Card Compatibility List

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Vendor	Model	VBIOS/Win. Driver
Sparkle	NVIDIA GeForce GTX 750 Ti	82.7.32.0.50 /22.21.13.8476
Sparkle	nVidia GeForce GT730	80.28.78.0.12/9.18.13.3750

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