

For Enterprise Solution powered by Windows 7 Embedded (WES7)

M6024 / X6024 / S6024 RAID Application (3.5" SATA)

note: According to HDD vendors, M6024/X6024 should not use NAS Series, which supports up to 16-bay NAS system only, Please check HDD datasheet for detail information.

NVR Model	HDD Vendor	Family	Type	HDD Model	Capacity
M6024 X6024 S6024 RAID Application (3.5" SATA)	Seagate	Constellation ES.3	Enterprise	ST1000NM0033	1TB
	Seagate	Constellation ES.3	Enterprise	ST2000NM0033	2TB
	Seagate	Constellation ES.3	Enterprise	ST3000NM0033	3TB
	Seagate	Constellation ES.3	Enterprise	ST4000NM0033	4TB
	Seagate	Enterprise capacity 3.5 HDD	Enterprise	ST2000NM0024	2TB
	Seagate	Enterprise capacity 3.5 HDD	Enterprise	ST4000NM0024	4TB
	Seagate	Enterprise capacity 3.5 HDD	Enterprise	ST6000NM0024	6TB
	Seagate	Enterprise capacity 3.5 HDD - 512n SATA	Enterprise	ST1000NM0055	1TB
	Seagate	Enterprise capacity 3.5 HDD - 512n SATA	Enterprise	ST2000NM0055	2TB
	Seagate	Enterprise capacity 3.5 HDD - 512n SATA	Enterprise	ST3000NM0005	3TB
	Seagate	Enterprise capacity 3.5 HDD - 512n SATA	Enterprise	ST4000NM0035	4TB
	Seagate	Enterprise Capacity 3.5 HDD - 512e SATA	Enterprise	ST2000NM0125	2TB
	Seagate	Enterprise Capacity 3.5 HDD - 512e SATA	Enterprise	ST4000NM0115	4TB
	Seagate	Enterprise Capacity 3.5 HDD - 512e SATA	Enterprise	ST6000NM0115	6TB
	WD	WD RE	Enterprise	WD1003FBYZ	1TB
	WD	WD RE	Enterprise	WD1004FBYZ	1TB
	WD	WD RE	Enterprise	WD2000FYYZ	2TB
	WD	WD RE	Enterprise	WD2004FBYZ	2TB
	WD	WD RE	Enterprise	WD3000FYYZ	3TB
	WD	WD RE	Enterprise	WD4000FYYZ	4TB
	WD	WD RE	Enterprise	WD4002FBYZ	4TB
	WD	WD RE	Enterprise	WD4002FYYZ	4TB
	WD	WD RE4	Enterprise	WD1003FBYX	1TB
	WD	WD RE4	Enterprise	WD2003FYYZ	2TB
	WD	Se	Enterprise	WD2000F9YZ	2TB
	WD	Se	Enterprise	WD3000F9YZ	3TB
	WD	Se	Enterprise	WD4000F9YZ	4TB
	HGST	Ultrastar	Enterprise	HUS724020ALA640	2TB
HGST	Ultrastar	Enterprise	HUS724030ALA640	3TB	
HGST	Ultrastar	Enterprise	HUS724040ALA640	4TB	
HGST	Ultrastar 7K6000	Enterprise	HUS726020ALE610	2TB	
HGST	Ultrastar 7K6000	Enterprise	HUS726040ALE610	4TB	

M6000 Series/S6000 Series /X5000 Series /X6000 /M6x5 Series /RAID Application (3.5" SATA)

NVR Model	HDD Vendor	Family	Type	HDD Model	Capacity
M6012 M6016 X5016 RAID Application (3.5" SATA)	Seagate	Constellation ES.3	Enterprise	ST1000NM0033	1TB
	Seagate	Constellation ES.3	Enterprise	ST2000NM0033	2TB
	Seagate	Constellation ES.3	Enterprise	ST3000NM0033	3TB
	Seagate	Constellation ES.3	Enterprise	ST4000NM0033	4TB
	Seagate	Enterprise capacity 3.5 HDD	Enterprise	ST2000NM0024	2TB
	Seagate	Enterprise capacity 3.5 HDD	Enterprise	ST4000NM0024	4TB
	Seagate	Enterprise capacity 3.5 HDD	Enterprise	ST6000NM0024	6TB
	Seagate	Enterprise capacity 3.5 HDD - 512n SATA	Enterprise	ST1000NM0055	1TB
	Seagate	Enterprise capacity 3.5 HDD - 512n SATA	Enterprise	ST2000NM0055	2TB
	Seagate	Enterprise capacity 3.5 HDD - 512n SATA	Enterprise	ST3000NM0005	3TB
	Seagate	Enterprise capacity 3.5 HDD - 512n SATA	Enterprise	ST4000NM0035	4TB
	Seagate	Enterprise Capacity 3.5 HDD - 512e SATA	Enterprise	ST2000NM0125	2TB
	Seagate	Enterprise Capacity 3.5 HDD - 512e SATA	Enterprise	ST4000NM0115	4TB
	Seagate	Enterprise Capacity 3.5 HDD - 512e SATA	Enterprise	ST6000NM0115	6TB
	Seagate	Enterprise NAS	NAS	ST2000VN0001	2TB
	Seagate	Enterprise NAS	NAS	ST3000VN0001	3TB
	Seagate	Enterprise NAS	NAS	ST4000VN0001	4TB
	Seagate	Enterprise NAS	NAS	ST6000VN0001	6TB
	Seagate	IronWolf	NAS	ST2000VN0004	2TB
	Seagate	IronWolf	NAS	ST3000VN0007	3TB
	Seagate	IronWolf	NAS	ST4000VN0008	4TB
	Seagate	IronWolf	NAS	ST6000VN0033	6TB
	WD	WD RE	Enterprise	WD1003FBYZ	1TB
	WD	WD RE	Enterprise	WD1004FBYZ	1TB
	WD	WD RE	Enterprise	WD2000FYYZ	2TB
	WD	WD RE	Enterprise	WD2004FBYZ	2TB
	WD	WD RE	Enterprise	WD3000FYYZ	3TB
	WD	WD RE	Enterprise	WD4000FYYZ	4TB
	WD	WD RE	Enterprise	WD4002FBYZ	4TB
	WD	WD RE	Enterprise	WD4002FYYZ	4TB

M6012 M6016 X5016 RAID Application (3.5" SATA)	WD	WD RE4	Enterprise	WD1003FBYX	1TB
	WD	WD RE4	Enterprise	WD2003FYYS	2TB
	WD	Se	Enterprise	WD2000F9YZ	2TB
	WD	Se	Enterprise	WD3000F9YZ	3TB
	WD	Se	Enterprise	WD4000F9YZ	4TB
	HGST	Ultrastar	Enterprise	HUS724020ALA640	2TB
	HGST	Ultrastar	Enterprise	HUS724030ALA640	3TB
	HGST	Ultrastar	Enterprise	HUS724040ALA640	4TB
	HGST	Ultrastar 7K6000	Enterprise	HUS726020ALE610	2TB
	HGST	Ultrastar 7K6000	Enterprise	HUS726040ALE610	4TB
	Toshiba	NAS	NAS	MD03ACA200V	2TB
	Toshiba	NAS	NAS	MD03ACA300V	3TB
Toshiba	NAS	NAS	MD03ACA400V	4TB	

For Mini Enterprise Solution powered by Windows 7 Embedded (WES7)

M4000 Series (3.5" SATA)

NVR Model	HDD Vendor	Family	Type	HDD Model	Capacity
M4006 M4008	Seagate	Constellation ES.3	Enterprise	ST1000NM0033	1TB
	Seagate	Constellation ES.3	Enterprise	ST2000NM0033	2TB
	Seagate	Constellation ES.3	Enterprise	ST3000NM0033	3TB
	Seagate	Constellation ES.3	Enterprise	ST4000NM0033	4TB
	Seagate	Enterprise capacity 3.5 HDD	Enterprise	ST2000NM0024	2TB
	Seagate	Enterprise capacity 3.5 HDD	Enterprise	ST4000NM0024	4TB
	Seagate	Enterprise capacity 3.5 HDD	Enterprise	ST6000NM0024	6TB
	Seagate	Enterprise capacity 3.5 HDD-512n sata	Enterprise	ST1000NM0055	1TB
	Seagate	Enterprise capacity 3.5 HDD-512n sata	Enterprise	ST2000NM0055	2TB
	Seagate	Enterprise capacity 3.5 HDD-512n sata	Enterprise	ST3000NM0005	3TB
	Seagate	Enterprise capacity 3.5 HDD-512n sata	Enterprise	ST4000NM0035	4TB
	Seagate	Enterprise Capacity 3.5 HDD - 512e SATA	Enterprise	ST2000NM0125	2TB
	Seagate	Enterprise Capacity 3.5 HDD - 512e SATA	Enterprise	ST4000NM0115	4TB
	Seagate	Enterprise Capacity 3.5 HDD - 512e SATA	Enterprise	ST6000NM0115	6TB
	Seagate	Enterprise NAS	Enterprise	ST2000VN0001	2TB
	Seagate	Enterprise NAS	Enterprise	ST3000VN0001	3TB
	Seagate	Enterprise NAS	Enterprise	ST4000VN0001	4TB
	Seagate	Enterprise NAS	Enterprise	ST6000VN0001	6TB
	Seagate	IronWolf	NAS	ST2000VN0004	2TB
	Seagate	IronWolf	NAS	ST3000VN0007	3TB
	Seagate	IronWolf	NAS	ST4000VN0008	4TB
	Seagate	IronWolf	NAS	ST6000VN0033	6TB
	Seagate	SV35	Surveillance	ST1000VX000	1TB
	Seagate	SV35	Surveillance	ST2000VX000	2TB
	Seagate	SV35	Surveillance	ST2000VX003	2TB
	Seagate	SV35	Surveillance	ST3000VX000	3TB
	Seagate	Surveillance	Surveillance	ST4000VX000	4TB
	Seagate	SkyHawk	Surveillance	ST1000VX005	1TB
	Seagate	SkyHawk	Surveillance	ST2000VX008	2TB
	Seagate	SkyHawk	Surveillance	ST3000VX010	3TB
	Seagate	SkyHawk	Surveillance	ST4000VX007	4TB
	Seagate	Video 3.5 HDD	Video	ST1000VM002	1TB
	Seagate	Video 3.5 HDD	Video	ST2000VM003	2TB
	Seagate	Video 3.5 HDD	Video	ST3000VM002	3TB
	Seagate	Video 3.5 HDD	Video	ST4000VM000	4TB
	WD	WD RE	Enterprise	WD1003FBYZ	1TB
	WD	WD RE	Enterprise	WD1004FBYZ	1TB
	WD	WD RE	Enterprise	WD2000FYYS	2TB
	WD	WD RE	Enterprise	WD2004FBYZ	2TB
	WD	WD RE	Enterprise	WD3000FYYS	3TB
	WD	WD RE	Enterprise	WD4000FYYS	4TB
	WD	WD RE	Enterprise	WD4002FBYZ	4TB
	WD	WD RE	Enterprise	WD4002FYYS	4TB
	WD	WD RE4	Enterprise	WD1003FBYX	1TB
	WD	WD RE4	Enterprise	WD2003FYYS	2TB
	WD	Se	Enterprise	WD2000F9YZ	2TB
	WD	Se	Enterprise	WD3000F9YZ	3TB
	WD	Se	Enterprise	WD4000F9YZ	4TB
	HGST	Ultrastar	Enterprise	HUS724020ALA640	2TB
	HGST	Ultrastar	Enterprise	HUS724030ALA640	3TB
	HGST	Ultrastar	Enterprise	HUS724040ALA640	4TB
	HGST	Ultrastar 7K6000	Enterprise	HUS726020ALE610	2TB
HGST	Ultrastar 7K6000	Enterprise	HUS726040ALE610	4TB	
HGST	Ultrastar 7K6000	Enterprise	HUS726060ALE610	6TB	
HGST	Ultrastar® He8	Enterprise	HUH728080ALE600	8TB	
Toshiba	NAS	NAS	MD03ACA200V	2TB	
Toshiba	NAS	NAS	MD03ACA300V	3TB	
Toshiba	NAS	NAS	MD03ACA400V	4TB	

	Toshiba	Surveillance HDD	Surveillance HDD	MD04ABA400V	4TB
	Toshiba	Surveillance HDD	Surveillance HDD	MD04ABA500V	5TB
For Standalone NVR Solution powered by Windows 7 Embedded (WES7)					
M95, M3004, M2002 (3.5" SATA)					
NVR Model	HDD Vendor	Family	Type	HDD Model	Capacity
M95 M2002 M3004	Seagate	Constellation ES.3	Enterprise	ST1000NM0033	1TB
	Seagate	Constellation ES.3	Enterprise	ST2000NM0033	2TB
	Seagate	Constellation ES.3	Enterprise	ST3000NM0033	3TB
	Seagate	Constellation ES.3	Enterprise	ST4000NM0033	4TB
	Seagate	Enterprise capacity 3.5 HDD	Enterprise	ST2000NM0024	2TB
	Seagate	Enterprise capacity 3.5 HDD	Enterprise	ST4000NM0024	4TB
	Seagate	Enterprise capacity 3.5 HDD-512n sata	Enterprise	ST1000NM0055	1TB
	Seagate	Enterprise capacity 3.5 HDD-512n sata	Enterprise	ST2000NM0055	2TB
	Seagate	Enterprise capacity 3.5 HDD-512n sata	Enterprise	ST3000NM0005	3TB
	Seagate	Enterprise capacity 3.5 HDD-512n sata	Enterprise	ST4000NM0035	4TB
	Seagate	Enterprise Capacity 3.5 HDD - 512e SATA	Enterprise	ST2000NM0125	2TB
	Seagate	Enterprise Capacity 3.5 HDD - 512e SATA	Enterprise	ST4000NM0115	4TB
	Seagate	Enterprise NAS	Enterprise	ST2000VN0001	2TB
	Seagate	Enterprise NAS	Enterprise	ST3000VN0001	3TB
	Seagate	Enterprise NAS	Enterprise	ST4000VN0001	4TB
	Seagate	IronWolf	NAS	ST2000VN004	2TB
	Seagate	IronWolf	NAS	ST3000VN007	3TB
	Seagate	IronWolf	NAS	ST4000VN008	4TB
	Seagate	SV35	Surveillance	ST1000VX000	1TB
	Seagate	SV35	Surveillance	ST2000VX000	2TB
	Seagate	SV35	Surveillance	ST2000VX003	2TB
	Seagate	SV35	Surveillance	ST3000VX000	3TB
	Seagate	Surveillance	Surveillance	ST4000VX000	4TB
	Seagate	SkyHawk	Surveillance	ST1000VX005	1TB
	Seagate	SkyHawk	Surveillance	ST2000VX008	2TB
	Seagate	SkyHawk	Surveillance	ST3000VX010	3TB
	Seagate	SkyHawk	Surveillance	ST4000VX007	4TB
	Seagate	Video 3.5 HDD	Video	ST1000VM002	1TB
	Seagate	Video 3.5 HDD	Video	ST2000VM003	2TB
	Seagate	Video 3.5 HDD	Video	ST3000VM002	3TB
	Seagate	Video 3.5 HDD	Video	ST4000VM000	4TB
	WD	WD RE	Enterprise	WD1003FBYZ	1TB
	WD	WD RE	Enterprise	WD1004FBYZ	1TB
	WD	WD RE	Enterprise	WD2000FYYZ	2TB
	WD	WD RE	Enterprise	WD2004FBYZ	2TB
	WD	WD RE	Enterprise	WD3000FYYZ	3TB
	WD	WD RE	Enterprise	WD4000FYYZ	4TB
	WD	WD RE	Enterprise	WD4002FBYZ	4TB
	WD	WD RE	Enterprise	WD4002FYYZ	4TB
	WD	WD RE4	Enterprise	WD1003FBYX	1TB
	WD	WD RE4	Enterprise	WD2003FYYS	2TB
	WD	Se	Enterprise	WD2000F9YZ	2TB
WD	Se	Enterprise	WD3000F9YZ	3TB	
WD	Se	Enterprise	WD4000F9YZ	4TB	
HGST	Ultrastar	Enterprise	HUS724020ALA640	2TB	
HGST	Ultrastar	Enterprise	HUS724030ALA640	3TB	
HGST	Ultrastar	Enterprise	HUS724040ALA640	4TB	
HGST	Ultrastar 7K6000	Enterprise	HUS726020ALE610	2TB	
HGST	Ultrastar 7K6000	Enterprise	HUS726040ALE610	4TB	
Toshiba	NAS	NAS	MD03ACA200V	2TB	
Toshiba	NAS	NAS	MD03ACA300V	3TB	
Toshiba	NAS	NAS	MD03ACA400V	4TB	
M95 (2.5" SATA)					
NVR Model	HDD Vendor	Family	Type	HDD Model	Capacity
M95 2.5"SATA	Seagate	Video	Video	ST250VT000	250GB
	Seagate	Video	Video	ST320VT000	320GB
	Seagate	Video	Video	ST500VT000	500GB
	WD	AV-25	Enterprise	WD5000LUCT	500GB
	WD	AV-25	Enterprise	WD10JUCT	1TB
	HGST	Travelstar	Enterprise	HUS724030ALA640	320GB
	HGST	Travelstar	Enterprise	HUS724040ALA640	500GB
For Mobile NVR Solution powered by Windows 7 Embedded (WES7)					
M1121, M1142, M1184, M1284 (2.5" SATA)					
NVR Model	HDD Vendor	Family	Type	HDD Model	Capacity
M1121 M1142 M1184 M1284 (2.5"SATA)	Seagate	Video	Video	ST250VT000	250GB
	Seagate	Video	Video	ST320VT000	320GB
	Seagate	Video	Video	ST500VT000	500GB
	WD	AV-25	Enterprise	WD5000LUCT	500GB
	WD	AV-25	Enterprise	WD10JUCT	1TB
	HGST	Travelstar	Enterprise	HUS724030ALA640	320GB

	HGST	Travelstar	Enterprise	HUS724040ALA640	500GB
	HGST	Travelstar Z5K500	Enterprise	HTS545050A7E680	500GB
	HGST	Travelstar Z7K500	Enterprise	HTE725050A7E630	500GB
	HGST	Travelstar 7K1000	Enterprise	HTS721010A9E630	1TB

M1121, M1142, M1184, M1284 (2.5"SSD)

NVR Model	HDD Vendor	Family	Type	HDD Model	Capacity
M1121 M1142 M1184 M1284 (2.5"SSD)	Innodisk	3ME	Solid-State Drive	DES25-A28D06XC1QC	128GB
	Innodisk	3ME	Solid-State Drive	DES25-B56D06SC1QC	256GB
	Innodisk	3ME	Solid-State Drive	DES25-C12D06SC1QC	512GB
	Innodisk	3SE	Solid-State Drive	DES25-16GD06SCAQB	16GB
	Innodisk	3ME2	Solid-State Drive	DES25-64GD72SWCQN	64GB
	Innodisk	3SE	Solid-State Drive	DES25-64GD06SWAQB	64GB
	Innodisk	3MG2-P	Solid-State Drive	DGS25-A28D81SW1QC	128GB
	Phison	S9 15nm	Solid-State Drive	SSBP032GTMC0-S91	32GB
	Phison	S9 15nm	Solid-State Drive	SSBP064GTMC0-S91	64GB
	Phison	S10C 15nm	Solid-State Drive	SSBP128GTMC0-S10C	128GB
	Phison	S10C 15nm	Solid-State Drive	SSBP256GTMC0-S10C	256GB
	Phison	S10C 15nm	Solid-State Drive	SSBP512GTMC0-S10	512GB
	Phison	S9 15nm	Solid-State Drive	SSEP016GTMC0-S91	16GB
	Phison	S9 15nm	Solid-State Drive	SSEP032GTMC0-S91	32GB
	Phison	S9 15nm	Solid-State Drive	SSEP064GTMC0-S91	64GB
	Phison	S10C 15nm	Solid-State Drive	SSEP128GTMC0-S10C	128GB
	Phison	S9 15nm	Solid-State Drive	SSGP032GTMC0-S91	32GB
	Phison	S9 15nm	Solid-State Drive	SSGP064GTMC0-S91	64GB
	Intel	intel 530	Solid-State Drive	SSDSC2BW120A401	120GB
	Intel	intel 533	Solid-State Drive	SSDSC2BW120H601	120GB
	Intel	DCS3500	Solid-State Drive	SSDSC2BB120G401	120GB
	Intel	DCS3500	Solid-State Drive	SSDSC2BB160G401	160GB
	Intel	DCS3500	Solid-State Drive	SSDSC2BB240G401	240GB
	Intel	DCS3500	Solid-State Drive	SSDSC2BB300G401	300GB
	Intel	DCS3500	Solid-State Drive	SSDSC2BB480G401	480GB
	Intel	DCS3500	Solid-State Drive	SSDSC2BB600G401	600GB
Intel	DCS3500	Solid-State Drive	SSDSC2BB800G401	800GB	

Note:

1. M4000 Series should install enterprise-level hard disks if more than 4 hard disks.
2. M95 Series includes each a 2.5" and 3.5" hard drive tray.
3. Generation M3004 Series extend capacity only up to 4TB.
4. GVD would not guarantee for the system performance if user chooses to use the HDD model which is not recommended by GVD.
5. GVD always recommends the use of Enterprise Class SATA Hard Drivers for GVD Enterprise NVR, Failover Server, Backup Server, extended storage for enterprise Class SATA Drivers Support TLER (Time Limited Error Recovery), Higher MTBF, Higher Duty Cycles and typically include a sensor for rotation and vibration.
6. According to HDD vendors, M6024 should not use NAS Series, which supports up to 16-bay NAS system only, Please check HDD datasheet for detail information.