



## Seagate<sup>®</sup> Nytro<sup>™</sup> WarpDrive<sup>™</sup> Application Acceleration Cards Hardware Compatibility List

This represents basic compatibility and is only a guide to hardware which is known to function with Seagate<sup>®</sup> Nytro<sup>™</sup> WarpDrive<sup>™</sup> application acceleration cards

**Updated 08/26/2014**  
Servers/Motherboards

Seagate Server Qualification and Interop Lab performs comprehensive functionality testing in order to demonstrate compatibility of Seagate<sup>®</sup> Nytro<sup>™</sup> WarpDrive<sup>™</sup> series applications acceleration cards. The listed components represent the compatibility guide for the ecosystem based on our findings. Testing consists individual test cases on specific servers and motherboards.

## Seagate® Nytro™ WarpDrive™ Acceleration Application Cards

Product	Model	Capacity	Form Factor	Firmware Package
NWD-BLP4-800	ST800KN0012	800GB	Half Height, Half Length	12.00.02.00
NWD-BLP4-1600	ST1600KN0002	1.6TB	Half Height, Half Length	12.00.02.00
NWD-BFH6-1200	ST03-25614-00	1.2TB	Full Height, Half Length	12.00.02.00
NWD-BFH8-1600	ST03-25615-00	1.6TB	Full Height, Half Length	12.00.02.00
NWD-BFH8-3200	ST03-25614-00	3.2TB	Full Height, Half Length	12.00.02.00

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Servers				
Manufacture	Model /Family	System BIOS	CPU Information	Chipset
<b>Cisco</b>	UCS C240 M3	C240M3.1.5.1c.0	Intel Xeon E5-2680, @ 2.70 Ghz	Intel C602
	UCS B200 M3	B200m3.2.0.3.0.051620121210	Intel Xeon E5-2620, @ 2.0Ghz	Intel C600
	UCS B22 M3	B22M3.2.0.3a.0.051820121158	Intel Xeon E5-2450, @ 2.1 Ghz	Intel C600
	UCS B420 M3	B420M3.2.0.2.04.061120121226	Intel Xeon E5-4650, @ 2.7 Ghz	Intel C600
	UCS C210 M2	C200.1.4.1.0.0771320110702	Intel Xeon E5649, @ 2.53 Ghz	Intel 5520
<b>DELL</b>	PowerEdge R920	1.07	Intel Xeon E7-2880, @ 2.50GHz	Intel C602
	PowerEdge R820	2.0.21	Intel Xeon E5-4640, @ 2.40GHz	Intel C600
	PowerEdge R720xd	2.0.19	Intel Xeon E5-2630, @2.6GHz	Intel C600
	PowerEdge R720	1.2.6	Intel Xeon E5-4607, @ 2.2 GHz	Intel C600
	PowerEdge R720	1.2.6	Intel Xeon E5-2630, @ 2.30 GHz	Intel C600
	PowerEdge R620	1.2.6	Intel Xeon E5-2620, @ 2.00GHz	Intel C600
	PowerEdge R710	6.1.0	Intel Xeon E5507, @2.26GHz	Inte 5520
	PowerEdge R715	2.3.0	AMD Opteron 6204, @ 3.3GHz	AMD SR5690 / SP5100
	PowerEdge T710	6.1.0	Intel® Xeon® E5530, @2.40GHz	Inte 5520
	PowerEdge R805	3.0.2	AMD Opteron 2350, @2.0GHz	NVIDIA MCP55Pro
	PowerEdge R810	2.5.0	Intel Xeon, @2.26GHz	Intel 7500 Chipset
	PowewrEdge 815	2.3.0	AMD Opteron 6168, @1.9 Ghz	AMD SR5650
	PowewrEdge 2950	6.1.0	Intel Xeon E5640, @ 2.67GHz	Intel 5000X
<b>Echostreams</b>	FlacheSAN2	SE5C600.86B.01.06.0001	Intel Xeon E5-2650 @ 2GHz	Intel C600
<b>HP</b>	Proliant DL380e G8	P73	Intel Xeon E5-2440 v2, @ 1.90GHz	Intel C600
	Proliant DL380P G8	P70	Intel Xeon E5-2670, @2.6GHz	Intel C600
	Proliant DL385 G8	A28	AMD Opteron 6234, @ 2.4GHz	AMD SR5690/SP5100
	Proliant DL380 G7	P67	Intel Xeon E5-5620, @ 2.40 GHz	Intel 5520
	DL180 G6	620	Intel Xeon X5560, @ 2.80GHz	Intel 5520
	DL380 G6	P62	Intel Xeon E5540, @ 2.53 GHz	Intel 5520
	DL380 G7	P67	Intel Xeon X5650, @ 2.67 GHz	Intel 5520
	DL380 G8	P70	Intel E5-2600 Series	Intel C600 Series
	DL585 G7	A16	AMD Opteron 6136, @ 2.4 GHz	AMD SR5690

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### Servers

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<b>IBM</b>	xSeries 3650 M4	1.60	Intel Xeon E5-2609, @ 2.40GHz	Intel C602
	xSeries 3630 M4	1.30	Intel Xeon E5-2430, @ 2.20GHz	Intel C600
	xSeries 3550 M4 Dong Shan	Y5E112HUS-1.37	Intel Xeon E5-2609, @ 2.4 Ghz	Intel C604
	xSeries 3650 M4	1.21	Intel Xeon E5-2609, @ 2.4 GHz	Intel C600
	xSeries 3690 M5 megalon	MLE173BUS-1.73	Intel Xeon E7-2803, @ 1.73GHz	IBM EX5
	xSeries 3850 M4 Ghidorah	G0E173BUS-1.73	Intel Xeon E7-4830, @ 2.1 Ghz	IBM EX5
	xSeries 3550 M3	1.14	Intel Xeon E5607, @ 2.27 GHz	Intel 5520
<b>Intel</b>	S2600IP	SE5C600.86B.01.06.0001	Intel Xeon E5-2650 @ 2GHz	Intel C600
	S2600G(Z/L)	SE5C600.86B.01.03.002	Intel Xeon E5-2670, @ 2.6GHz	Intel C602
	S5520UR	86B.01.00.00.49	Intel Xeon X5680, @ 3.33GHz	Intel 5520
	S5520UR	86B.01.00.00.30	Intel Xeon L5520, @ 2.27GHz	Intel 5520
<b>Lenovo</b>	RD430	2.05	Intel Xeon E5-2607, @ 2.2 GHz	C602J
	RD630	2.05	Intel Xeon E5-2609, @ 2.4 GHz	C602
	RD830	SE5C600.86B.01.02.0015	Intel Xeon E5-2609, @ 2.4 GHz	C602
	TD530	2.03	Intel Xeon E5-2609, @ 2.40 GHz	Intel C602J
	TD330	2.01	Intel Xeon E5-2407, @ 2.20 GHz	Intel C600
<b>OCP</b>	Windmill Servers	4.6.4.1	Intel Xeon E5-2670, @ 2.6 Ghz	Intel C602
<b>Oracle</b>	x4270 M2	08.12.01.03	Intel Xeon X5675, @ 3.07Ghz	Intel 5520
	x4270 M3	2.14.1219	Intel Xeon E5 -2660, @ 2.2 Ghz	Intel C600
	T4-1	8.1.4.e	SPARC T4	SPARC T4
	T4-2 (SPARC)	8.1.4.e	SPARC T4	SPARC T4
<b>Supermicro</b>	CSE113TQ-563CB	3.00	Intel Xeon E5-2630L v2, @ 2.40 GHz	Intel C602
	SYS-7047R-TXRF	3.00	Intel Xeon E5-2640 @ 2.50GHz	Intel C602
	SYS-6027TR-DTRF (Fat-Twin)	3.00	Intel Xeon-E5 2609 @ 2.40GHz	Intel C602
	SYS-6027R-3RF4+	2.00	Intel Xeon E5-2609 @ 2.40 GHz	Intel C606
	SYS-7047A-T	1.0b	Intel Xeon E5-2603 @ 1.80 GHz	Intel C602
	6027R-WRF	1.0b	Intel Xeon E5-2667 XC @ 2.9GHz	Intel C602

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### Motherboards

Manufacture	Model /Family	System BIOS	CPU Information	Chipset
<b>ASUS</b>	Q87M-E/CSM	0906	Intel Core i5-4570, @ 3.20GHz	Intel Q87
	Z87-PRO (rev 1.02)	1504	Intel Core i5-4570, , @ 3.20GHz	Intel Z87
	Z9PE-D8WS (rev 1.04)	0703	Intel Xeon E5-2603, @ 1.8GHz	Intel C602
	Sabertooth 990FX (rev 1.01)	0901	AMD FX6100, @ 3.30GHz	AMD 990FX/SB950
	P6T6 WS Revolution	0001	Intel Core i7 950, @ 3.07GHz	Intel X58 Express
	P6 X58-E WS	0206	Intel Xeon W5580 @ 3.2GHz	Intel X58
	P8BWS (rev 1.01)	0511	Intel Xeon E31245 @ 3.30GHz	Intel C206
	P8B-M (rev 1.01)	0701	Intel Xeon E3-1225 @ 3.10GHz	Intel C204
<b>EVGA</b>	Classified 4-Way SLI	6.00 PG	Intel Xeon E5520, @ 2.27GHz	Intel X58
	Classified SR-2	080016	Intel Xeon E5625, @ 2.40GHz	Intel 5520
<b>Gigabyte</b>	GA-Z87X-UD3H (rev 1.0)	F7	Intel Core i5-4570, @ 3.20GHz	Intel Z87 Express
	GA-X79S-UP5-WIFI (rev 1.0)	F3	Intel Core i7-3820, @ 3.60 GHz	Intel C606 Express
	GA-F2A85X-UP4 (rev 1.0)	F3	AMDA4-5300, @ 3.4Ghz	AMD A85X
	Z68A-D3H-B3 (rev 1.3)	F13	Intel Core i5 2550, @3.30GHz	Intel Z68
	GA-X79-UD3 (rev 1.0)	F8	Intel Xeon E5-2603, @ 1.8GHz	Intel X79
	GA-990FXA-UD7 (rev 1.1)	F7	AMD FX6100, @ 3.30GHz	AMD 990FX/SB950
	GA-Z68A-D3H-B3 (rev 1.3)	F12	Intel Core i32120, @ 3.30GHz	Intel Z68
GA-X58A-UD9 (rev 1.0)	F4	Intel Xeon E5520, @ 2.27GHz	X58	
<b>Intel</b>	S2600IP	SE5C600.86B.01.06.0001	Intel Xeon E5-2650 @ 2GHz	Intel C600
	S2600G(Z/L)	SE5C600.86B.01.03.002	Intel Xeon E5-2670, @ 2.6GHz	Intel C602
	S5520UR	86B.01.00.00.49	Intel Xeon X5680, @ 3.33GHz	Intel 5520
	S5520UR	86B.01.00.00.30	Intel Xeon L5520, @ 2.27GHz	Intel 5520

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<b>Supermicro</b>	X10SLM-F	1.1b	Intel Xeon E3-1220v3, @ 3.10 GHz	Intel C224 Express
	X9DRH-7F	3.0	Intel Xeon E5-2630L v2, @ 2.40 GHz	Intel C602
	X9DRX+-F	3.0	Intel Xeon E5-2640 @2.5GHz	Intel C602
	X9DRT-HF	3.0	Intel Xeon-E5 2609 @ 2.40GHz	Intel C602
	X9SRA	3.0a	Intel Xeon E5-2640, @ 2.50GHz	Intel C602
	X9DRD-7LN4F	2.00	Intel Xeon E5-2650, @ 2.0GHz	Intel C602J
	X9DAi (rev 1.02)	1.0b	Intel Xeon E5-2603, @ 1.80 GHz	Intel C602
	X9DR3-LN4F+ (rev 1.10)	2.00	Intel Xeon E5-2609, @ 2.40 GHz	Intel C606
	X9SRE (rev 1.2)	1.0c	Intel Xeon E5-1620, @ 3.60 GHz	Intel C602
	X9DRI-F	1.1	Intel Xeon E5-2680, @ 2.70GHz	Intel C602
	X9DRW-iF	1.0b	Intel Xeon E5-2667 XC, @ 2.9GHz	Intel C602
	X8DTU-F	2.1	Intel Xeon x5650, @ 2.67GHz	Intel 5520
	X8DT3-F	2.0c	Intel Xeon E5520, @ 2.27GHz	Intel 5520
	X8STE	2.0c	Intel Xeon E5520, @ 2.00GHz	Intel X58 Express
	X8DAi	2.0c	Intel Xeon W5580, @ 3.2GHz	Intel 5520
	X8DA3	2.0c	Intel Xeon E5520, @ 2.27 GHz	Intel 5520
	X8DT6	2.0b	Intel Xeon E5606, @2.16GHz	Intel 5520
	X8DTH-i	2.1a	Intel Xeon E5620, @ 2.4GHz	Intel 5520
	X8DAH	2.0a	Intel Xeon E5620, @ 2.4GHz	Intel 5520
	H8DG6	2.0a	AMD Opteron 6168, @ 1.9GHz	AMD SR5690 / SP5100
<b>TYAN</b>	S7050GM4NR	V1.02i	Intel Xeon E5 2603, @ 1.80GHz	Intel C602
	S7053WGM2NR	V1.03F	Intel Xeon E5 2603, @ 1.80GHz	Intel C602
	S7056WGM3NR-B	V 1.01B	Intel Xeon E5 2609, @ 2.40GHz	Intel C602
	S7010AGM2NRF	3.02	Intel Xeon W5580, @ 3.2GHz	Intel 5520
	S7012GM4NR	2.3	Intel Xeon W5580, @ 3.2GHz	Intel 5520
	S7025AGM2NR	American MegaTrend V1.05	Intel Xeon E5520, @ 2.27GHz	Intel 5520
	S7002G2NR-LE	American MegaTrend V1.07	Intel CPU @ 2.80GHz	Intel 5500
	S8230GM4NR	American MegaTrend V2.04	AMD Opteron 6168, @ 1.90GHz	AMD SR5690
	S5211	V1.09	Intel Xeon X3220, @ 2.66GHz	S3200/S3210
	S5512WGM2NR (rev 1.01)	1.05a	Intel Xeon E3-1225, @ 3.10GHz	Intel C204
	S5510G2NR-LE	1.03	Intel Xeon E3-1245, @ 3.30GHz	Intel® C202

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