



RAIDIX 4.6

Hardware Compatibility List

This document contains the information about the hardware components compatible with the RAIDIX software and includes the following parts:

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1. Supported Hardware Components with the compatibility confirmed by the RAIDIX QA team

1.1. Interfaces

Hardware Component	Model	Supported Functions		
		Connection to the Drives (Initiator)	Target	Cache synchronization in DC
SAS Controller	Adaptec			
	Adaptec 6405H	Yes	-	-
	Adaptec 6805H	Yes	-	-
	Adaptec RAID controllers and HBA adapters 7,8 series <i>No LED indicators support for Adaptec.</i>			
	Dell			
	Dell PERC H330	Yes	-	-
	Intel			
	Intel AXX4SAMOD	Yes	-	-
	LSI			
	LSI 1068, SAS embedded into the motherboard X8ST3-F	Yes	-	-
	LSI SAS 3080X-R	Yes	-	-
	LSI SAS 3081E-R	Yes	-	-
	LSI SAS 31601E	Yes	-	-
	LSI SAS 9201-16i Host Bus Adapter	Yes	-	-
	LSI SAS 9207-8e Host Bus Adapter	Yes	-	-
LSI SAS 9207-8i Host Bus Adapter	Yes	-	-	
LSI SAS 9211-8i Host Bus Adapter	Yes	-	-	
LSI SAS 9300-8e Host Bus Adapter	Yes	Yes	Yes	
LSI SAS 9300-8i Host Bus Adapter	Yes	Yes	Yes	
LSI SAS 9305-16i Host Bus Adapter	Yes	Yes	Yes	

Hardware Component	Model	Supported Functions		
		Connection to the Drives (Initiator)	Target	Cache synchronization in DC
	LSI SAS 9305-16e Host Bus Adapter	Yes	Yes	Yes
FC HBA	ATTO ATTO CTFC-161EN/162EN/164EN 16 Gbit	-	Yes	-
FC HBA	ATTO CTFC-81EN/82EN/84EN-000 8 Gbit	-	Yes	-
	Qlogic QLogic QLE256x 8 Gbit	-	Yes	-
	QLogic QLE266x 16 Gbit	-	Yes	-
	QLogic QLE2670 16 Gbit	-	Yes	-
	QLogic QLE2672 16 Gbit	-	Yes	-
IB HBA	Mellanox ConnectX-3 PRO VPI 10/40/56GbE	-	SRP, iSCSI	SRP, iSCSI
	ConnectX-3 PRO VPI QDR/FDR10/FDR	-	SRP, iSCSI	SRP, iSCSI
	ConnectX-3 VPI QDR/FDR10/FDR	-	SRP, iSCSI	SRP, iSCSI
	ConnectX-3 VPI 10/40/56GbE	-	SRP, iSCSI	SRP, iSCSI
	ConnectX-4 EN	-	iSCSI	iSCSI
	ConnectX-4 VPI EDR	-	SRP, iSCSI	SRP, iSCSI
	ConnectX VPI SDR/QDR/FDR10/FDR	-	SRP, iSCSI	SRP, iSCSI
	ConnectX VPI 10GbE	-	SRP, iSCSI	SRP, iSCSI
10G Ethernet HBA	Intel Intel 82574 series	-	iSCSI	iSCSI
	Intel 82576 series	-	iSCSI	iSCSI
	Intel 82577 series	-	iSCSI	iSCSI
	Intel 82578 series	-	iSCSI	iSCSI

Hardware Component	Model	Supported Functions		
		Connection to the Drives (Initiator)	Target	Cache synchronization in DC
	Intel 82579 series	-	iSCSI	iSCSI
	Intel 82580 series	-	iSCSI	iSCSI
	Intel 82598 series	-	iSCSI	iSCSI
	Intel 82599 series	-	iSCSI	iSCSI
	Intel Ethernet Connection I217 series	-	iSCSI	iSCSI
	Intel Ethernet Connection I218 series	-	iSCSI	iSCSI
	Intel Ethernet Controller I210	-	iSCSI	iSCSI
	Intel Ethernet Server Adapter I350	-	iSCSI	iSCSI
	Intel PRO/1000 PF	-	iSCSI	iSCSI
	Intel PRO/1000 PT	-	iSCSI	iSCSI
	Intel X520 series	-	iSCSI	iSCSI
	Intel X540 series	-	iSCSI	iSCSI
	SolarFlare SFN5152F Single Port 10G	-	iSCSI	iSCSI

1.2. Other Components

Hardware Component	Model
Processor	Intel Nehalem and later versions
HDD	Most of SATA, SAS or NL-SAS HDDs, except HDD with SMR technology and some HDDs with 4KN block size. <i>If you have SMR or 4KN HDDs, please, contact RAIDIX support team.</i>
SSD	Most of SATA, SAS SSD
NVDIMM	Micron Micron NVDIMM-N Module 16 GB
PCIe SSD for SSD cache	Intel Intel P3700 серии SanDisk SanDisk Fusion ioMemory SX-350 HGST Ultrastar SN150 PCIe SSD
Platform	AIC AIC HA201-TP AIC HA401-CP2 AIC HA401-LB2 AIC RSC-5BH AIC SB302-CP2 (PSG-SB-3URCP2DP0101) AIC SB401-CP2 (PSG-SB-4URCP2DP0101) AIC SB402-CP2 (PSG-SB-4URCP2DP0201) Chenbro Chenbro RM41736 Cisco Cisco USC C 200 M2 Cisco USC C 210 M2 Dell Dell PowerEdge R730xd Echostreams Echostreams DSS316S-D4

Hardware Component	Model
	Echostreams DSS316J-S3
	Echostreams DuraStreams DSS212
	Echostreams DuraStreams DSS320
	Echostreams eDrawer4048S-D4
	Echostreams eDrawer4048J-S3
	Echostreams eDrawer4060J-S3
	Echostreams eDrawer4096J-S2
	Echostreams FlacheSAN1L-D4
	Echostreams FlacheSAN2-D4
	Echostreams FlacheStreams FlacheSAN1L
	Echostreams FlacheStreams FlacheSAN2
	Echostreams ScaleStreams eDrawer4048S
	HP
	HP DL180 G6 487508
	Huawei
	Huawei RH2288v3
	Intel
	Intel SR2612UR
	Lenovo
	Lenovo System x3550 M5
	Lenovo System x3650 M5
	Supermicro
	Supermicro 2027B-DE2R24L
	Supermicro 2028R-TXR
	Supermicro 6037B-DE2R16L
	Supermicro 6037R-E1R16L
	Supermicro 6038R-TXR
	Supermicro 6048R-TXR
	Supermicro CSE-216E1
	Supermicro CSE-216E16
	Supermicro CSE-745TQ-R800B
	Supermicro CSE-826TQ-R800LPB
	Supermicro CSE-836E1
	Supermicro CSE-836E16
	Supermicro CSE-836E2
	Supermicro CSE-846E16-R1200B
	Supermicro SC826TQ-R800LPB

Hardware Component	Model
	Supermicro SC846TQ-R900B Supermicro SC847A-R1400LPB
Enclosure	<p>AIC AIC 4076-01 AIC J5090-01 AIC XJ3000-4603S</p> <p>Bytescale 8U Velox</p> <p>HGST HGST 4U60 Storage Enclosure [2x2x4 SAS 12Gb/s]</p> <p>HP HP StorageWorks D2700 Disk Enclosure</p> <p>Supermicro SuperMicro CSE-M35TQ</p> <p>Quanta Quanta JB4602</p>
Internal Cache Memory	<p><i>Choose the memory according to the compatibility lists of servers and motherboards.</i></p>
Motherboard	<p><i>The motherboard must be compatible with the model of the processor and must support PCI Express x8/x16.</i></p> <p>AIC AIC Libra</p> <p>Chenbro Chenbro RM41736 server motherboard</p> <p>Cisco Cisco USC C 200 M2 server motherboard Cisco USC C 210 M2 server motherboard</p> <p>HP HP DL180 G6</p> <p>Intel</p>

Hardware Component	Model
	<p>Intel S2600CP Intel S2600CP2 Intel Server Board S5520UR</p> <p>Supermicro Supermicro X10DRX Supermicro X10SRH-CF Supermicro X11DPi-N, BIOS ver.2.0 Supermicro X8DT6-O Supermicro X8DTH-6F Supermicro X8SIL Supermicro X8ST3-F Supermicro X8ST3-F-O Supermicro X9DRD-7LN4F-JBOD Supermicro X9SCM-F</p>

2. Hardware Components supported at the driver level

2.1. Interfaces

Hardware Component	Model	Supported Functions		
		Connection to the Drives (Initiator)	Target	Cache synchronization in DC
SAS Controller	Adaptec			
	Adaptec 6405H	Yes	-	-
	Adaptec 6805H	Yes	-	-
	Adaptec RAID controllers and HBA adapters 7,8 series <i>No LED indicators support for Adaptec.</i>	Yes	-	-
	LSI			
	LSI 3008, 2008, 2308 chipsets	Yes	-	-
	LSI SAS 3041E-R	Yes	-	-
	LSI SAS 3041X-R	Yes	-	-
	LSI SAS 31601E	Yes	-	-
	LSI SAS 3442E-R	Yes	-	-
	LSI SAS 3442X	Yes	-	-
	LSI SAS 3442X-R	Yes	-	-
	LSI SAS 3800X	Yes	-	-
	LSI SAS 3801E	Yes	-	-
	LSI SAS 3801X	Yes	-	-
	LSI SAS 9200-16e	Yes	-	-
	LSI SAS 9201-16e	Yes	-	-
	LSI SAS 9202-16e	Yes	-	-
	LSI SAS 9205-8e	Yes	-	-
	LSI SAS 9206-16e	Yes	-	-

Hardware Component	Model	Supported Functions		
		Connection to the Drives (Initiator)	Target	Cache synchronization in DC
	LSI SAS 9207-4i4e	Yes	-	-
	LSI SAS 9210-8i	Yes	-	-
	LSI SAS 9211-4i	Yes	-	-
	LSI SAS 9212-4i4e	Yes	-	-
	LSI SAS 9217-4i4e	Yes	-	-
	LSI SAS 9217-8i	Yes	-	-
	LSI SAS 9300-4i	Yes	Yes	Yes
	LSI SAS 9300-4i4e	Yes	Yes	Yes
	LSI SAS 9300-16e	Yes	Yes	Yes
	LSI SAS 9300-16i	Yes	Yes	Yes
	LSI SAS 9302-16e	Yes	Yes	Yes
	LSI SAS 9311-4i4e	Yes	Yes	Yes
	LSI SAS 9311-8i	Yes	Yes	Yes
FC HBA	ATTO			
	ATTO Celerity FC-321E 32 Gbit	-	Yes	-
	ATTO Celerity FC-322E 32 Gbit	-	Yes	-
	ATTO Celerity FC-324E 32 Gbit	-	Yes	-
10GbE Ethernet HBA	Emulex			
	Emulex OCe11101	-	iSCSI	iSCSI
	Emulex OCe11102	-	iSCSI	iSCSI
	Emulex OCe14000 series	-	iSCSI	iSCSI
	Intel			
	Intel X710 series	-	iSCSI	iSCSI
	Intel XL710 series	-	iSCSI	iSCSI

Hardware Component	Model	Supported Functions		
		Connection to the Drives (Initiator)	Target	Cache synchronization in DC
	Mellanox			
	Mellanox ConnectX EN (MT25448) 10GigE Ethernet Adapter	-	iSCSI	iSCSI
	Mellanox ConnectX EN (MT25458) 10GigE 10GBaseT Ethernet Adapter	-	iSCSI	iSCSI
	Mellanox ConnectX EN (MT26448) 10GigE Ethernet Adapter	-	iSCSI	iSCSI
	Mellanox ConnectX EN (MT26458) 10GigE 10GBaseT Ethernet Adapter	-	iSCSI	iSCSI
	Mellanox ConnectX EN (MT26468) 10GigE Ethernet Adapter	-	iSCSI	iSCSI
	Mellanox ConnectX EN (MT26478) 40GigE Ethernet Adapter	-	iSCSI	iSCSI
	Myricom			
	Myricom 10G-PCIE-8A-R	-	iSCSI	iSCSI
	Myricom 10G-PCIE-8B-C	-	iSCSI	iSCSI
	Myricom 10G-PCIE-8B-S	-	iSCSI	iSCSI
	Myricom 10G-PCIE2-8B2-2C	-	iSCSI	iSCSI
	Myricom 10G-PCIE2-8B2-2S	-	iSCSI	iSCSI
	Myricom 10G-PCIE-8B2-4I	-	iSCSI	iSCSI
	Myricom 10G-PCIE2-8C2-2S	-	iSCSI	iSCSI
	Myricom 10G-PCIE2-8C2-2S-SYNC	-	iSCSI	iSCSI
	Myricom 10G-PCIE2-8C-T	-	iSCSI	iSCSI
	Myricom 10G-PCIE2-8C2-2T	-	iSCSI	iSCSI
	Solarflare			
Solarflare SFN5xxxx series	-	iSCSI	iSCSI	
Solarflare SFN6xxx series	-	iSCSI	iSCSI	
Solarflare SFN7xxx series	-	iSCSI	iSCSI	
IB HBA	Mellanox			

Hardware Component	Model	Supported Functions		
		Connection to the Drives (Initiator)	Target	Cache synchronization in DC
	Mellanox ConnectX VPI (MT25408) IB SDR/10GigE	-	SRP, iSCSI	SRP, iSCSI
	Mellanox ConnectX VPI (MT25418) IB DDR/10GigE	-	SRP, iSCSI	SRP, iSCSI
	Mellanox ConnectX VPI (MT26418) IB DDR/10GigE	-	SRP, iSCSI	SRP, iSCSI
	Mellanox ConnectX VPI (MT26428) IB QDR/10GigE	-	SRP, iSCSI	SRP, iSCSI
	Mellanox ConnectX VPI (MT26438) IB QDR/10GigE	-	SRP, iSCSI	SRP, iSCSI
	Mellanox ConnectX VPI (MT26488) IB DDR/10GigE	-	SRP, iSCSI	SRP, iSCSI
	Mellanox InfiniHost (MT23108)	-	SRP, iSCSI	SRP, iSCSI
	Mellanox InfiniHost (MT25208)	-	SRP, iSCSI	SRP, iSCSI
	Mellanox InfiniHost III Ex (MT25218)	-	SRP, iSCSI	SRP, iSCSI
	Mellanox InfiniHost III Lx (MT24204)	-	SRP, iSCSI	SRP, iSCSI
	Mellanox InfiniHost III Lx (MT25204)	-	SRP, iSCSI	SRP, iSCSI

2.2. Other Components

Hardware Component	Model
PCIe SSD for SSD cache	Intel Intel P3500 series Intel P3600 series SanDisk SanDisk Fusion ioMemory PX600 SanDisk Fusion ioMemory SX300
Enclosure	RAIDIX 4.6 is compatible with most of the known enclosures. <i>If you have compatibility problems, please, contact RAIDIX support team.</i>
Internal Cache Memory	<i>Choose the memory according to the compatibility lists of servers, CPU, motherboards.</i>
Motherboard	RAIDIX 4.6 is compatible with most of the known motherboards for Intel Nehalem or similar or enhanced CPUs. <i>If you have compatibility problems, please, contact RAIDIX support team.</i>