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## RAIDIX 4.7 Hardware Compatibility List

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

## 1.1. Interfaces

Hardware Component	Model	Supported Functions		
		Connection to Drives (Initiator)	Target	Cache synchronization in DC
SAS	<b>Adaptec</b>			
	Adaptec 6405H	Yes	-	-
	Adaptec 6805H	Yes	-	-
	Adaptec RAID controllers and HBA adapters 7,8 series <sup>1</sup>	Yes	-	-
	<b>Dell</b>			
	Dell PERC H330	Yes	-	-
	<b>Intel</b>			
	Intel AXX4SAMOD			
	<b>LSI</b>			
	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	
LSI SAS 9305-16e Host Bus Adapter	Yes	Yes	Yes	
LSI SAS 9400-16e Host Bus Adapter	Yes	Yes	Yes	
FC HBA	<b>ATTO</b>			
ATTO CTFC-161EN/162EN/164EN 16 Gbit	-	Yes	-	

<sup>1</sup> No LED indicators support for Adaptec.

Hardware Component	Model	Supported Functions		
		Connection to Drives (Initiator)	Target	Cache synchronization in DC
	ATTO CTFC-81EN/82EN/84EN-000 8 Gbit	-	Yes	-
	<b>Qlogic</b>			
	QLogic QLE256x 8 Gbit	-	Yes	-
	QLogic QLE266x 16 Gbit	-	Yes	-
	QLogic QLE2670 16 Gbit	-	Yes	-
	QLogic QLE2672 16 Gbit	-	Yes	-
<b>InfiniBand HBA</b>	<b>Mellanox</b>			
	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	-	SRP, iSCSI	SRP, 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
<b>10G Ethernet HBA</b>	<b>Intel</b>			
	Intel 82574 series	-	iSCSI	iSCSI
	Intel 82576 series	-	iSCSI	iSCSI
	Intel 82577 series	-	iSCSI	iSCSI
	Intel 82578 series	-	iSCSI	iSCSI
	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
	<b>SolarFlare</b>			
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.
SSD	Most of SATA, SAS SSD
NVDIMM	<b>Micron</b> Micron NVDIMM-N Module 16 GB
PCIe SSD for SSD cache	<b>Intel</b> Intel P3700 series
	<b>SanDisk</b> SanDisk Fusion ioMemory SX-350
	<b>HGST</b> Ultrastar SN150 PCIe SSD
Platform	<b>AIC</b> 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)
	<b>Chenbro</b> Chenbro RM41736
	<b>Cisco</b> Cisco USC C 200 M2 Cisco USC C 210 M2
	<b>Dell</b> Dell PowerEdge R730xd
	<b>Echostreams</b> Echostreams DSS316S-D4 Echostreams DSS316J-S3 Echostreams DuraStreams DSS212 Echostreams DuraStreams DSS320 Echostreams eDrawer4048S-D4 Echostreams eDrawer4048J-S3 Echostreams eDrawer4060J-S3 Echostreams eDrawer4096J-S2

Hardware Component	Model	
	Echostreams FlacheSAN1L-D4	
	Echostreams FlacheSAN2-D4	
	Echostreams FlacheStreams FlacheSAN1L	
	Echostreams FlacheStreams FlacheSAN2	
	Echostreams ScaleStreams eDrawer4048S	
	<b>HP</b>	HP DL180 G6 487508
	<b>Huawei</b>	Huawei RH2288v3
	<b>Intel</b>	Intel SR2612UR
	<b>Lenovo</b>	Lenovo System x3550 M5
		Lenovo System x3650 M5
		Lenovo ThinkSystem SR650 Server
	<b>Supermicro</b>	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
		Supermicro SC846TQ-R900B
		Supermicro SC847A-R1400LPB
	<b>Western Digital</b>	Western Digital Ultrastar Serv24
		Western Digital Ultrastar Serv24-HA
		Western Digital Ultrastar Serv60+8
	<b>Enclosure</b>	<b>AIC</b>

Hardware Component	Model
	<p>AIC 4076-01</p> <p>AIC J5090-01</p> <p>AIC XJ3000-4603S</p> <p><b>Bytescale</b> 8U Velox</p> <p><b>HGST</b> HGST 4U60 Storage Enclosure [2x2x4 SAS 12Gb/s]</p> <p><b>HP</b> HP StorageWorks D2700 Disk Enclosure</p> <p><b>Lenovo</b> Lenovo D3284</p> <p><b>Seagate</b> Seagate SP-3584</p> <p><b>Supermicro</b> SuperMicro CSE-M35TQ</p> <p><b>Quanta</b> Quanta JB4602</p> <p><b>Western Digital</b> Western Digital Ultrastar Data 60 Western Digital Ultrastar Data 120</p>
<b>Internal Cache Memory</b>	Choose the memory according to the compatibility lists of servers and motherboards.
<b>Motherboard</b>	<p>The motherboard must be compatible with the model of the processor and must support PCI Express x8/x16.</p> <p><b>AIC</b> AIC Libra</p> <p><b>Chenbro</b> Chenbro RM41736 (server motherboard)</p> <p><b>Cisco</b> Cisco USC C 200 M2 (server motherboard) Cisco USC C 210 M2 (server motherboard)</p> <p><b>HP</b> HP DL180 G6</p> <p><b>Intel</b> Intel S2600CP Intel S2600CP2 Intel Server Board S5520UR</p> <p><b>Supermicro</b></p>

Hardware Component	Model
	Supermicro X10DRX
	Supermicro X10SRH-CF
	Supermicro X11DPi-N BIOS version 2.0
	Supermicro X8DT6-O
	Supermicro X8DTH-6F
	Supermicro X8SIL
	Supermicro X8ST3-F
	Supermicro X8ST3-F-O
	Supermicro X9DRD-7LN4F-JBOD
	Supermicro X9SCM-F



## 2. Hardware Components supported at the driver level

### 2.1. Interfaces

Hardware Component	Model	Supported Functions		
		Connection to Drives (Initiator)	Target	Cache synchronization in DC
SAS	<b>Adaptec</b>			
	Adaptec 6405H	Yes	-	-
	Adaptec 6805H	Yes	-	-
	Adaptec RAID controllers and HBA adapters 7,8 series <sup>2</sup>	Yes	-	-
	<b>LSI</b>			
	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	-	-
	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	

<sup>2</sup> No LED indicators support for Adaptec.

Hardware Component	Model	Supported Functions		
		Connection to Drives (Initiator)	Target	Cache synchronization in DC
	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
<b>FC HBA</b>	<b>ATTO</b>			
	ATTO Celerity FC-321E 32 Gbit	-	Yes	-
	ATTO Celerity FC-322E 32 Gbit	-	Yes	-
	ATTO Celerity FC-324E 32 Gbit	-	Yes	-
<b>10GbE Ethernet HBA</b>	<b>Emulex</b>			
	Emulex OCe11101	-	iSCSI	iSCSI
	Emulex OCe11102	-	iSCSI	iSCSI
	Emulex OCe14000 series	-	iSCSI	iSCSI
	<b>Intel</b>			
	Intel X710 series	-	iSCSI	iSCSI
	Intel XL710 series	-	iSCSI	iSCSI
	<b>Mellanox</b>			
	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
	<b>Myricom</b>			
	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	

Hardware Component	Model	Supported Functions		
		Connection to Drives (Initiator)	Target	Cache synchronization in DC
	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
	<b>Solarflare</b>			
	Solarflare SFN5xxxx series	-	iSCSI	iSCSI
	Solarflare SFN6xxx series	-	iSCSI	iSCSI
Solarflare SFN7xxx series	-	iSCSI	iSCSI	
<b>InfiniBand HBA</b>	<b>Mellanox</b>			
	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
<b>PCIe SSD for SSD cache</b>	<b>Intel</b>
	Intel P3500 series
	Intel P3600 series
	<b>SanDisk</b>
	SanDisk Fusion ioMemory PX600
	SanDisk Fusion ioMemory SX300
<b>Enclosure</b>	RAIDIX 4.7 is compatible with most of the known enclosures. If you have compatibility problems, please, contact the RAIDIX support team.
<b>Internal Cache Memory</b>	Choose the memory according to the compatibility lists of servers, CPU, motherboards.
<b>Motherboard</b>	RAIDIX 4.7 is compatible with most of the known motherboards for Intel Nehalem or similar or enhanced CPUs. If you have compatibility problems, please, contact RAIDIX support team.