



## RAIDIX 4.7 HARDWARE COMPATIBILITY LIST

## Contents

1. Supported Hardware Components with compatibility confirmed by the RAIDIX QA team.....	3
1.1 Interfaces.....	3
1.2 Other Components.....	5
2. Hardware Components supported at the driver level .....	10
2.1 Interfaces.....	10
2.2 Other Components.....	14

# 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
<b>SAS</b>	<a href="#">Microsemi</a>			
	Microsemi Adaptec HBA 1100 (firmware 2.62)	Yes	-	-
	SmartHBA 2100 (firmware 2.62)	Yes	-	-
	<a href="#">Dell</a>			
	Dell PERC H330	Yes	-	-
	Dell PERC H730	Yes	-	-
	<a href="#">Intel</a>			
	Intel AXX4SAMOD	Yes	-	-
	<a href="#">LSI</a>			
	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 <sup>1</sup>	Yes	Yes	Yes
	LSI SAS 9305-16e Host Bus Adapter	Yes	Yes	Yes
	LSI SAS 9400-16e Host Bus Adapter	Yes	Yes	Yes
	LSI SAS 9400-16i Host Bus Adapter	Yes	Yes	Yes
	LSI SAS 9400-8i Host Bus Adapter	Yes	Yes	Yes
<b>SAS (driver-level support)</b>	<a href="#">Adaptec</a>			
	Adaptec 6405H	Yes	-	-
	Adaptec 6805H	Yes	-	-
	Adaptec RAID controllers and HBA adapters 7,8 series <sup>2</sup>	Yes	-	-
	<a href="#">LSI</a>			
	LSI 1068, SAS embedded into the motherboard X8ST3-F	Yes	-	-

<sup>1</sup> The LED indicators do not work correctly while drives connected directly to the adapter.

<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 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	-	-
<b>FC HBA</b>	<b>ATTO</b>			
	ATTO CTFC-161EN/162EN/164EN 16 Gbit	-	Yes	-
	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	-
	QLogic QLE2690 16 Gbit	-	Yes	-
	QLogic QLE2692 16 Gbit	-	Yes	-
QLogic QLE2694 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 VPI EDR	-	SRP, iSCSI	SRP, iSCSI
	ConnectX VPI SDR/QDR/FDR10/FDR	-	SRP, iSCSI	SRP, iSCSI
	ConnectX VPI 10GbE	-	SRP, iSCSI	SRP, iSCSI
<b>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

Hardware Component	Model	Supported Functions		
		Connection to 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
	<b>SolarFlare</b>			
	SFN5152F Single Port 10G	-	iSCSI	iSCSI
	<b>Mellanox</b>			
	ConnectX-3 EN	-	iSCSI	iSCSI
	ConnectX-4 EN	-	iSCSI	iSCSI

## 1.2 Other Components

Hardware Component	Model
<b>Processor</b>	Intel Nehalem and later versions.
<b>HDD</b>	Most of SATA, SAS or NL-SAS HDDs, except HDD with SMR technology and some HDDs with 4KB block size.
<b>SSD</b>	Most of SATA and SAS SSD.
<b>NVDIMM</b>	<a href="#">Micron</a> Micron NVDIMM-N Module 16 GB: MTA18ASF2G72PF1Z-2G6; MTA18ASF2G72PF1Z-2G6; MTA18ASF2G72PF1Z-2G9. The power source AGIGA9811-001JCA
<b>PCIe SSD for SSD cache</b>	<a href="#">Intel</a> Intel P3700 series

Hardware Component	Model
	SanDisk
	SanDisk Fusion ioMemory SX-350
	HDST
	Ultrastar SN150 PCIe SSD
<b>Platform</b>	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
	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

Hardware Component	Model
	HP DL180 G6 487508
	<a href="#">Huawei</a>
	Huawei RH2288v3
	<a href="#">Intel</a>
	Intel SR2612UR
	<a href="#">Lenovo</a>
	Lenovo System x3550 M5
	Lenovo System x3650 M5
	Lenovo ThinkSystem SR650 Server
	<a href="#">Supermicro</a>
	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
	<a href="#">Western Digital</a>
	Western Digital Ultrastar Serv24
	Western Digital Ultrastar Serv24-HA
	Western Digital Ultrastar Serv60+8
	<b>Enclosure</b>
AIC 4076-01	
AIC J5090-01	

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



Hardware Component	Model
	Supermicro
	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
<b>SAS</b>	<b>Adaptec</b>			
	Adaptec 6405H	Yes	-	-
	Adaptec 6805H	Yes	-	-
	Adaptec RAID controllers and HBA adapters 7,8 series <sup>3</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	-	-	

<sup>3</sup> No LED indicators support for Adaptec.

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

Hardware Component	Model	Supported Functions		
		Connection to Drives (Initiator)	Target	Cache synchronization in DC
	Mellanox ConnectX-5 EN 100GigE 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
	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
InfiniBand HBA	<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 ConnectX-5 VPI 100GigE	-	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	

Hardware Component	Model	Supported Functions		
		Connection to Drives (Initiator)	Target	Cache synchronization in DC
	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>	<a href="#">Intel</a>
	Intel P3500 series
	Intel P3600 series
	<a href="#">SanDisk</a>
	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.