

# New 24Gb SAS/SATA/NVMe RAID Adapters and Host Bus Adapter

## Article

The 4450 HBA, 5450 RAID and 9450 RAID adapters are new PCIe Gen4 adapters that offer 24Gb SAS connectivity and offer high-performance NVMe RAID solution.

There are five adapters announced with the following functions:

- 4450-16i - a 16-port HBA with 24Gb SAS and 6Gb SATA internal connectivity
- 5450-16i - a 16-port entry RAID adapter with RAID 0/1/10/5 support, and 24Gb SAS and 6Gb SATA internal connectivity
- 9450-8i - an 8-port advanced RAID adapter with 4GB flash-backed cache, and 24Gb SAS and 6Gb SATA internal connectivity
- 9450-16i - a 16-port advanced RAID adapter with RAID 0/1/10/5/50/6/60/Triple support, with 8GB flash-backed cache, with 24Gb SAS and 6Gb SATA internal connectivity
- 9450-32i - a 32-port advanced RAID adapter with RAID 0/1/10/5/6/60/Triple support, 8GB flash-backed cache, and with U.2 NVMe internal connectivity to up to eight NVMe drives, each with a PCIe x4 connection

Future features are also planned for support (planned for mid-2025) as follows:

- 9450-8i and 9450-16i are planned to support U.2 NVMe connectivity (two NVMe drives for the 8i, four NVMe drives for the 16i)
- 9450-32i is planned to support 24Gb SAS and 6Gb SATA connectivity

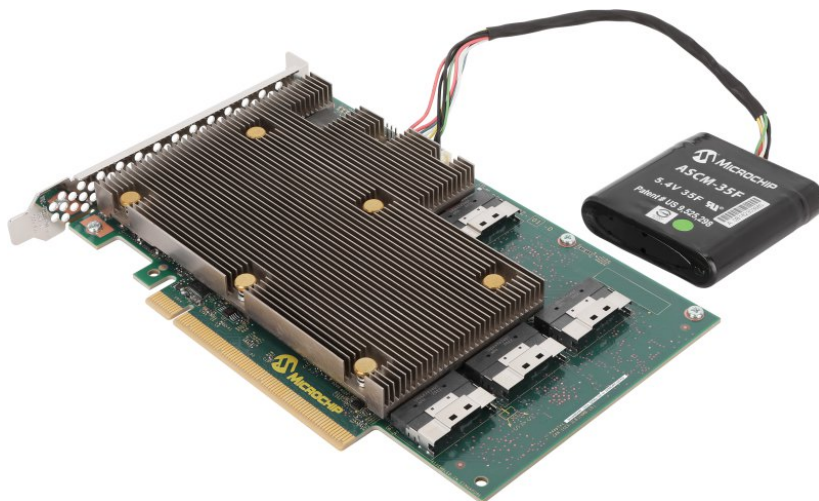


Figure 1. 9450-32i RAID adapter with included Flash power module (supercap) attached

## Product information

For details about each adapter, see these Lenovo Press resources:

- Product Guides:
  - [ThinkSystem 4450-16i SAS/SATA PCIe Gen4 24Gb HBA](#)
  - [ThinkSystem RAID 5450-16i PCIe Gen4 24Gb Adapter](#)
  - [ThinkSystem RAID 9450 Series 24Gb Advanced RAID Adapters](#)
- Portfolio Reference:
  - [Lenovo ThinkSystem RAID Adapter and HBA Reference](#)

Each server supports specific storage configurations. Consult the server product guide for details.

## Server support

The following tables list the ThinkSystem servers that are compatible. Each server supports specific storage configurations. Consult the server product guide for details.

Table 1. Server support (Part 1 of 4)

Part Number	Description	AMD V3				2S Intel V3/V4				4S 8S Intel V3				Multi Node V3/V4		1S V3		
		SR635 V3 (7D9H / 7D9G)	SR655 V3 (7D9F / 7D9E)	SR645 V3 (7D9D / 7D9C)	SR665 V3 (7D9B / 7D9A)	ST650 V3 (7D7B / 7D7A)	SR630 V3 (7D72 / 7D73)	SR650 V3 (7D75 / 7D76)	SR630 V4 (7DG8 / 7DG9)	SR850 V3 (7D97 / 7D96)	SR860 V3 (7D94 / 7D93)	SR950 V3 (7DC5 / 7DC4)	SD535 V3 (7DD8 / 7DD1)	SD530 V3 (7DDA / 7DD3)	SD550 V3 (7DD9 / 7DD2)	ST45 V3 (7DH4 / 7DH5)	ST50 V3 (7DF4 / 7DF3)	ST250 V3 (7DCF / 7DCE)
4Y37A97938	ThinkSystem 4450-16i SAS/SATA PCIe Gen4 24Gb HBA	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	N	N	N	N	N	N
4Y37A97936	ThinkSystem RAID 5450-16i PCIe Gen4 24Gb Adapter	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	N	N	N	N	N	N
4Y37A97935	ThinkSystem RAID 9450-8i 4GB Flash PCIe Gen4 24Gb Adapter	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	N	N	N	N	N	N
4Y37A97937	ThinkSystem RAID 9450-16i 8GB Flash PCIe Gen4 24Gb Adapter	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	N	N	N	N	N	N
4Y37A97940	ThinkSystem RAID 9450-32i 8GB Flash PCIe Gen4 24Gb Adapter	Y	Y	Y	Y	N	Y	Y	N	Y	Y	N	N	N	N	N	N	N

Table 2. Server support (Part 2 of 4)

Part Number	Description	GPU Rich					Edge					Super Computing					1S Intel V2				
		SR670 V2 (7Z22 / 7Z23)	SR675 V3 (7D9Q / 7D9R)	SR680a V3 (7DHE)	SR685a V3 (7DHC)	SR780a V3 (7DJ5)	SE350 (7Z46 / 7D1X)	SE350 V2 (7DA9)	SE360 V2 (7DAM)	SE450 (7D8T)	SE455 V3 (7DBY)	SC750 V4 (7DDJ)	SC777 V4 (7DKA)	SD665 V3 (7D9P)	SD665-N V3 (7DAZ)	SD650 V3 (7D7M)	SD650-I V3 (7D7L)	SD650-N V3 (7D7N)	ST50 V2 (7D8K / 7D8J)	ST250 V2 (7D8G / 7D8F)	SR250 V2 (7D7R / 7D7Q)
4Y37A97938	ThinkSystem 4450-16i SAS/SATA PCIe Gen4 24Gb HBA	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4Y37A97936	ThinkSystem RAID 5450-16i PCIe Gen4 24Gb Adapter	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4Y37A97935	ThinkSystem RAID 9450-8i 4GB Flash PCIe Gen4 24Gb Adapter	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4Y37A97937	ThinkSystem RAID 9450-16i 8GB Flash PCIe Gen4 24Gb Adapter	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4Y37A97940	ThinkSystem RAID 9450-32i 8GB Flash PCIe Gen4 24Gb Adapter	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Table 3. Server support (Part 3 of 4)

Part Number	Description	2S Intel V2			AMD V1				Dense V2				4S V2	8S	4S V1				
		ST650 V2 (7Z75 / 7Z74)	SR630 V2 (7Z70 / 7Z71)	SR650 V2 (7Z72 / 7Z73)	SR635 (7Y98 / 7Y99)	SR655 (7Y00 / 7Z01)	SR655 Client OS	SR645 (7D2Y / 7D2X)	SR665 (7D2W / 7D2V)	SD630 V2 (7D1K)	SD650 V2 (7D1M)	SD650-N V2 (7D1N)	SN550 V2 (7Z69)	SR850 V2 (7D31 / 7D32)	SR860 V2 (7Z59 / 7Z60)	SR950 (7X11 / 7X12)	SR850 (7X18 / 7X19)	SR850P (7D2F / 2D2G)	SR860 (7X69 / 7X70)
4Y37A97938	ThinkSystem 4450-16i SAS/SATA PCIe Gen4 24Gb HBA	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4Y37A97936	ThinkSystem RAID 5450-16i PCIe Gen4 24Gb Adapter	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4Y37A97935	ThinkSystem RAID 9450-8i 4GB Flash PCIe Gen4 24Gb Adapter	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4Y37A97937	ThinkSystem RAID 9450-16i 8GB Flash PCIe Gen4 24Gb Adapter	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4Y37A97940	ThinkSystem RAID 9450-32i 8GB Flash PCIe Gen4 24Gb Adapter	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Table 4. Server support (Part 4 of 4)

Part Number	Description	1S Intel V1				2S Intel V1								Dense V1			
		ST50 (7Y48 / 7Y50)	ST250 (7Y45 / 7Y46)	SR150 (7Y54)	SR250 (7Y52 / 7Y51)	ST550 (7X09 / 7X10)	SR530 (7X07 / 7X08)	SR550 (7X03 / 7X04)	SR570 (7Y02 / 7Y03)	SR590 (7X98 / 7X99)	SR630 (7X01 / 7X02)	SR650 (7X05 / 7X06)	SR670 (7Y36 / 7Y37)	SD530 (7X21)	SD650 (7X58)	SN550 (7X16)	SN850 (7X15)
4Y37A97938	ThinkSystem 4450-16i SAS/SATA PCIe Gen4 24Gb HBA	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4Y37A97936	ThinkSystem RAID 5450-16i PCIe Gen4 24Gb Adapter	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4Y37A97935	ThinkSystem RAID 9450-8i 4GB Flash PCIe Gen4 24Gb Adapter	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4Y37A97937	ThinkSystem RAID 9450-16i 8GB Flash PCIe Gen4 24Gb Adapter	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4Y37A97940	ThinkSystem RAID 9450-32i 8GB Flash PCIe Gen4 24Gb Adapter	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

## Related product families

Product families related to this document are the following:

- [Host Bus Adapters](#)
- [RAID Adapters](#)

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