PCIe adapters

PCIe adapter installation rules

ST550 PCIe adapter installation rules

The table shows the ST550 PCIe installation rules.

Note 1: CPU 1 supports slot 1, 2, 3, and 6. CPU 2 supports slot 4 and 5.

Note 2: To support independent graphic card, 1100 W power supply is required.

Note 3: One NVMe switch card is required when selecting NVMe SSD.

	Adapter category	Supported slot CPU 1	Supported slot CPU 2	Comments
		Priority →		

VA	GPU	3	3, 5	• GPU P2000
				  – Single P2000 is installed on slot 3.
				  – Dual P2000 are installed on slot 3 and slot 5.
				• GPU P6000 is double wide
				  – Single P6000 is installed on slot 3. Slot 4 cannot be used (empty).
				  – Dual P6000 are installed on slot 3 and slot 5. Slot 4 and 6 cannot be used.

STA	NVMe switch card	2	2	Only for NVMe support.
STA	Internal advanced RAID card (930-24i)	1, 2	1, 2	
STA	Internal advanced RAID card (930-16i/8i)	1, 2, 3, 6	1, 2, 3, 6, 5, 4	• When RAID 930 is selected, super cap must be selected, super cap is installed on air duct and connected to RAID card with cable. • When selecting RAID cards other than RAID 930, super cap should not be selected. • The priority of 16i RAID card is higher than 8i RAID card.
STA	Internal basic RAID card (730, 530)	1, 2, 3, 6	1, 2, 3, 6, 5, 4	• RAID 530 and RAID 730 should not be mixed. • The priority of 16i RAID card is higher than 8i RAID card. • RAID 730 is for PRC only. • RAID 730 does not support SED HDDs.
STA	Internal RAID/SAS HBA (430)	1, 2, 3, 6	1, 2, 3, 6, 5, 4	• The priority of 16i SAS HBA is higher than 8i SAS HBA. • RAID 430 does not support SED HDDs.
STA	External RAID/SAS HBA	1, 2, 3, 6	1, 2, 3, 6, 5, 4	Not connected to internal HDDs.
STA	FC card	3, 2, 6, 1	3, 2, 6, 5, 4, 1	
CA	Ethernet card	3,2,6,1	3,2,6,5,4,1	
	M.2 module	7 (M.2 slot)	7 (M.2 slot)	Slot 7 (M.2 slot) is M.2 dedicated slot

Summary

This course enabled you to:

- Describe the specifications of the ThinkSystem ST550.
- Explain storage and chassis configuration rules of the ThinkSystem ST550.
- Explain PCIe adapter installation rules of the ThinkSystem ST550.