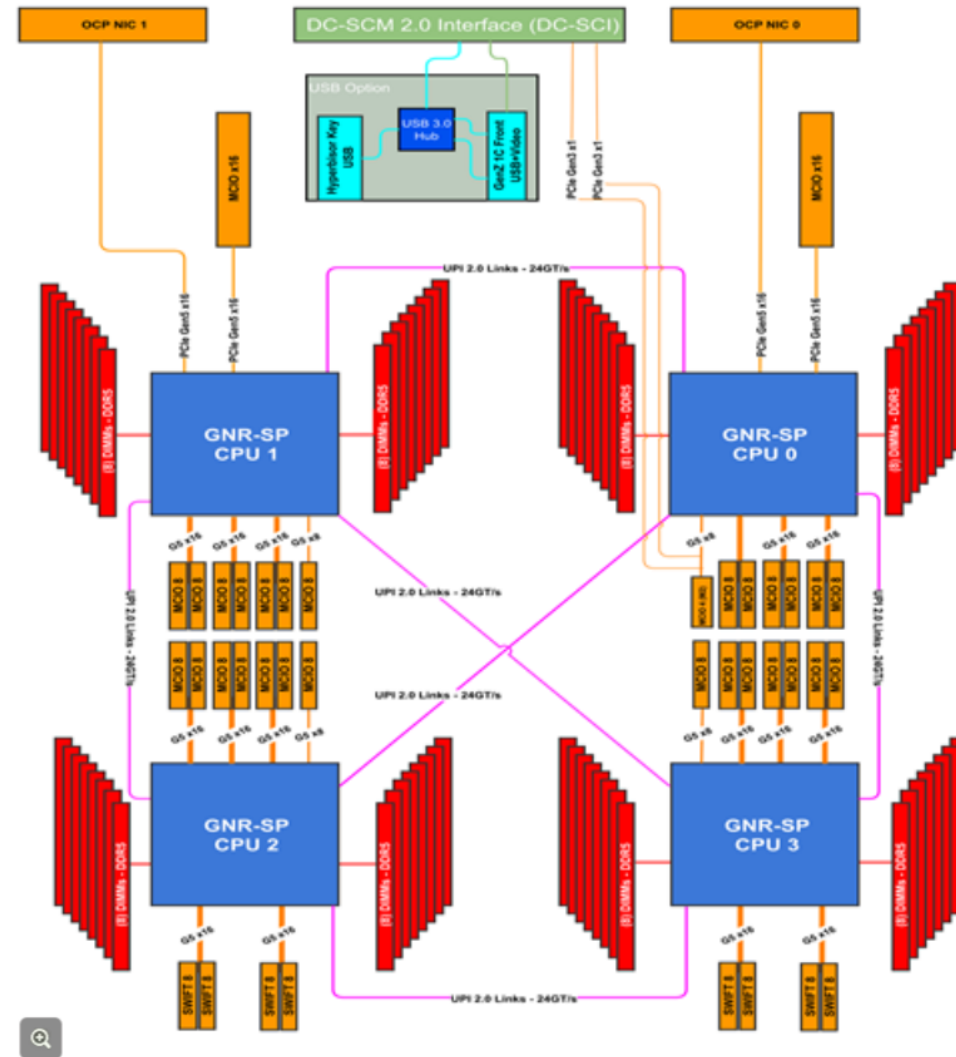


System configurations and diagrams

System block diagrams, backplane and PCIe configuration information

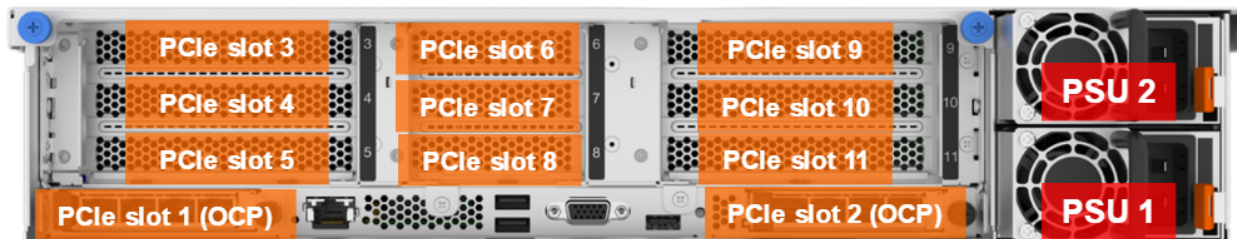
Lenovo

System block diagram



Rear device numbering

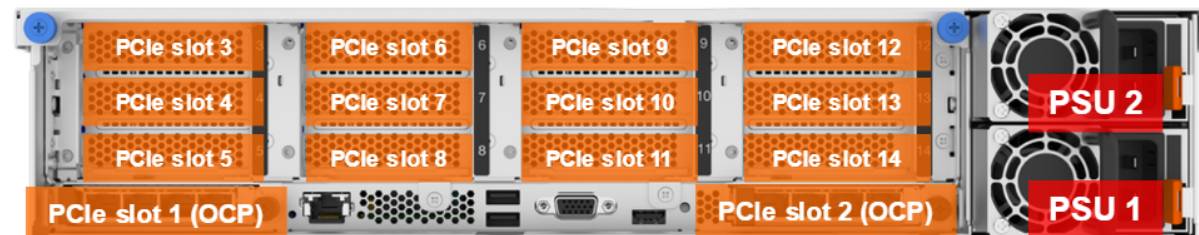
Three PCIe riser cards



Optional configuration

- The hot-swap M.2 drive cage can be installed in slots 3 and 4
- The serial port module can be installed in slot 8

Four PCIe riser cards



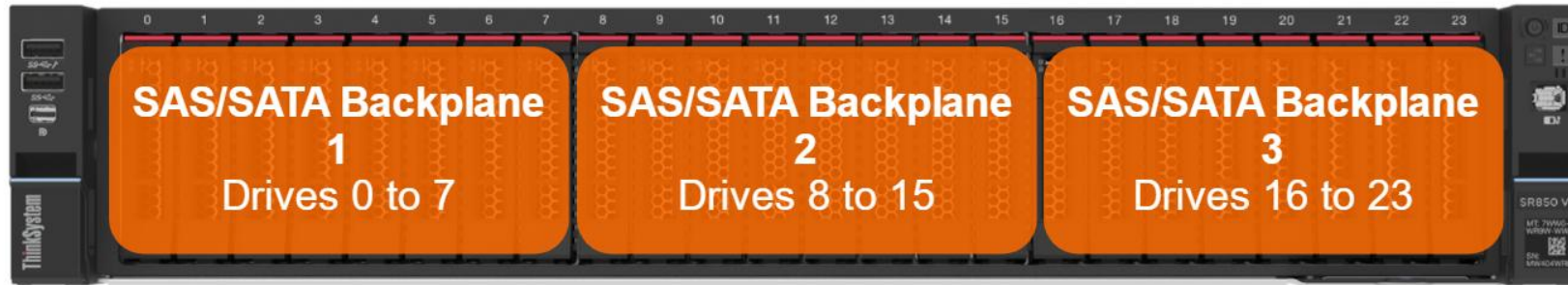
Optional configuration

- The serial port module can be installed in slot 11

Note:

- Customers can only select one of the M.2 drive configurations: Internal non-hot-swap, or rear hot-swap.
- The M.2 drives are shown as PCIe slots 15 and 16 in the XCC inventory information.

SAS/SATA drive backplane configuration



- Support for up to 24 2.5-inch SAS-4 / SAS-3 / SATA-3 drives with three backplanes
- Support for the ThinkSystem 8i or 16i series RAID / HBA adapters
- Support for up to two RAID batteries

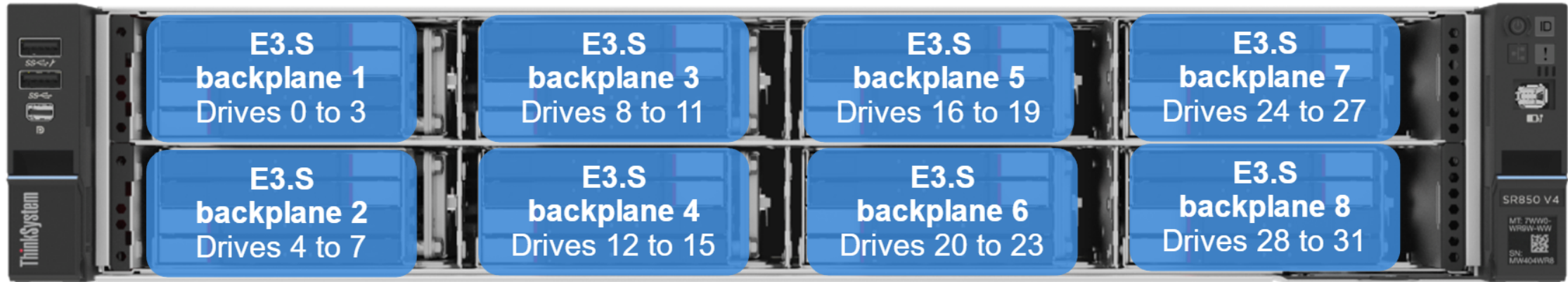
AnyBay backplane configuration



- Support for up to 24 2.5-inch NVMe Gen 4 / Gen 5 drives with three backplanes
- Support for the ThinkSystem 8i or 16i series RAID / HBA adapters
- Support for up to two RAID batteries

Note: Currently, the SR850 V4 with AnyBay backplane configuration only supports NVMe drives – it does not support SAS or SATA drives.

E.3 drive configuration



- Support for up to 32 E3.S 1T hot-swap drives
- Support for up to 16 E3.S 2T hot-swap drives
- The four-processor configuration is required to support E3.S drives

PCIe slot maximum configurations

Click the buttons to see the different maximum PCIe slot configurations.

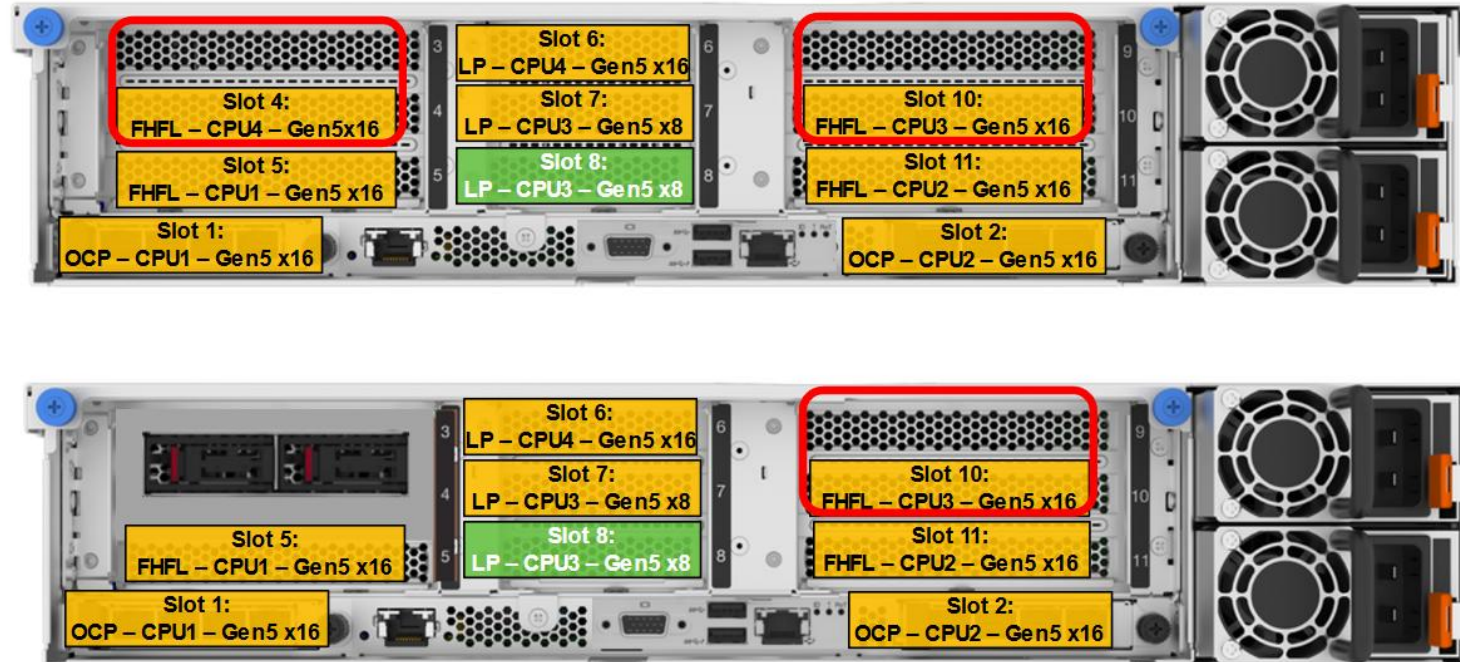
Three PCIe risers with
PCIe Gen 5 slots with GPUs

Three PCIe risers with PCIe Gen 4 and
Gen 5 slots without GPUs

Four PCIe risers with
PCIe Gen 4 and Gen 5 slots



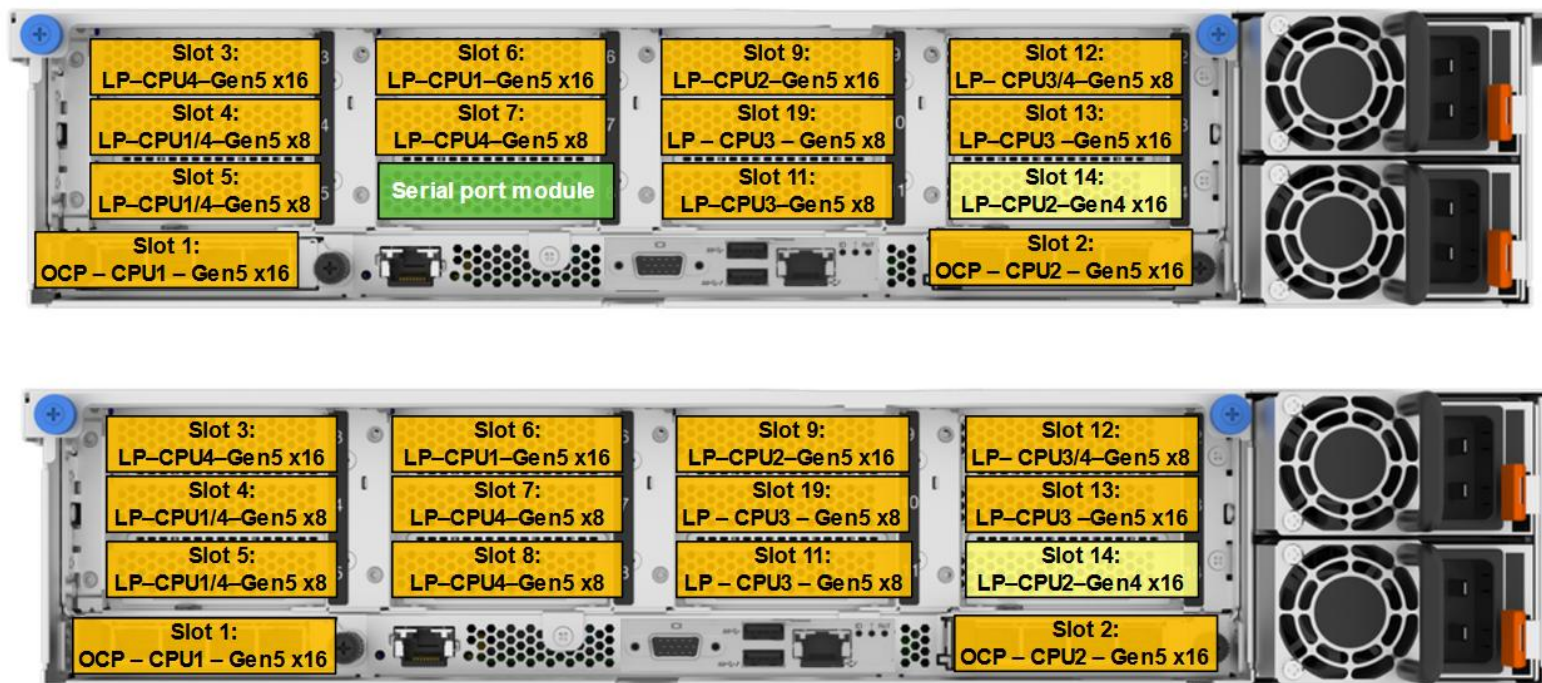
Three PCIe risers with PCIe Gen 5 slots with GPUs



- Slot 4 supports a DW FHFL GPU or a hot-swap M.2 drive cage (installed in slots 3 and 4)
- Slot 10 supports a DW FHFL GPU (installed in slots 9 and 10)
- The serial port module is optional and can be installed in slot 8

Note: The M.2 drives will be marked as PCIe slots 15 and 16 in the XCC inventory information.

Four PCIe risers with PCIe Gen 4 and Gen 5 slots



- Slot 4 supports a DW FHFL GPU or a hot-swap M.2 drive cage (installed in slots 3 and 4)
- Slot 10 supports a DW FHFL GPU (installed in slots 9 and 10)
- The serial port module is optional and can be installed in slot 8

Note: The M.2 drives will be marked as PCIe slot 15 and 16 in the XCC inventory information.

Three PCIe risers with PCIe Gen 4 and Gen 5 slots without GPUs



- Slot 4 supports a hot-swap M.2 drive cage (installed in slots 3 and 4)
- The serial port module is optional and can be installed in slot 8

Note: The M.2 drives will be marked as PCIe slot 15 and 16 in the XCC inventory information.