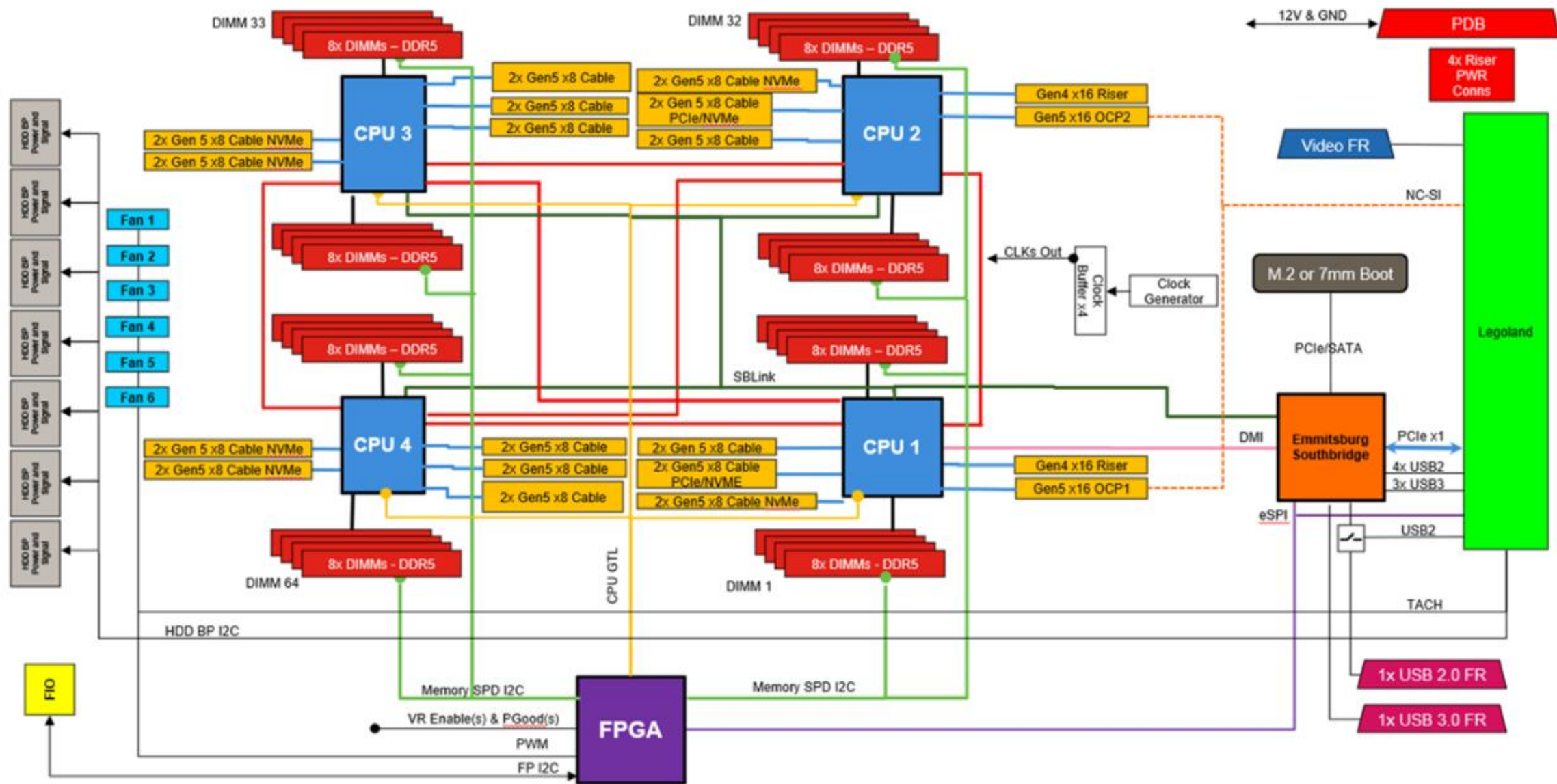


System configurations and diagrams

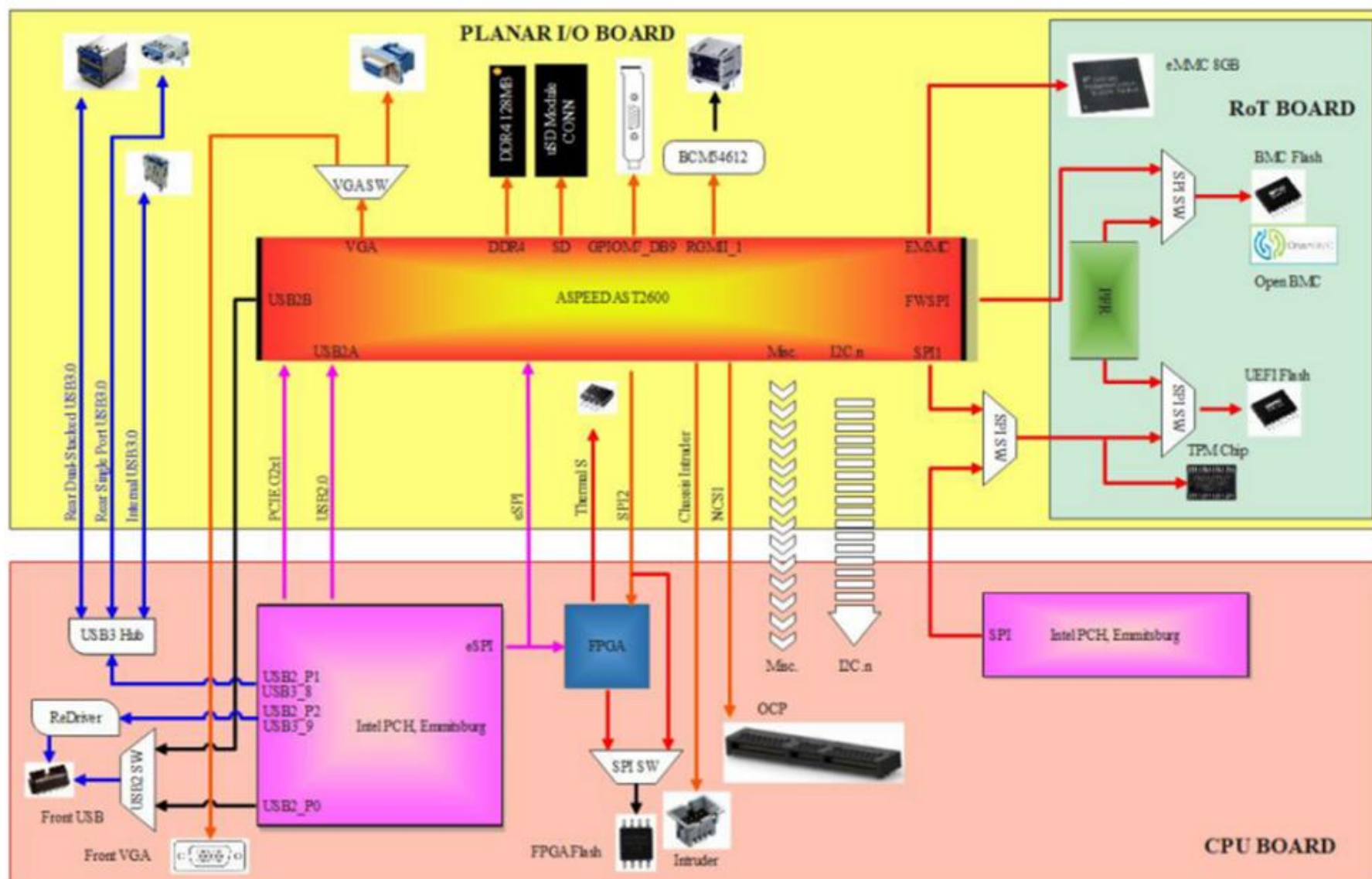
System block diagrams, backplane and PCIe configuration information

Lenovo

System block diagram



System board assembly block diagram



Rear device numbering

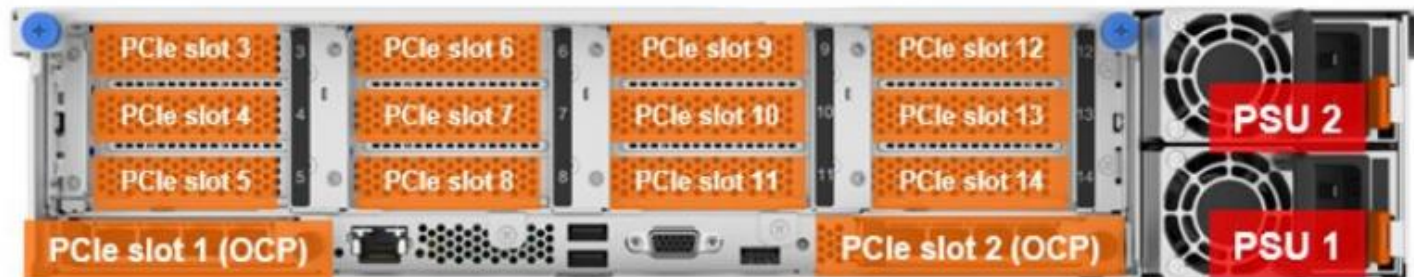
Three PCIe riser cards configuration



Optional configuration

- The 7 mm drive cage can be installed in slots 3 and 4
- The serial port module can be installed in slot 8

Four PCIe riser cards configuration



Optional configuration

- The serial port module can be installed in slot 11

SAS/SATA drive backplane configuration



- Support for up to 24 2.5-inch SAS-3 / SATA-3 drives with three backplanes
- Support for the Think 8i, 16i or 32i 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 up to 24 2.5-inch SAS-4 / SAS-3 / SATA-3 drives with three backplanes
- Support for the Think 8i, 16i or 32i series RAID / HBA adapters
- Support for up to two RAID batteries

PCIe slot maximum configurations

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

**Three PCIe risers with
PCIe 4.0 slots only**

**Four PCIe risers with
PCIe 4.0 slots only**

**Three PCIe risers with
PCIe 4.0 and 5.0 slots**

**Four PCIe risers with
PCIe 4.0 and 5.0 slots**

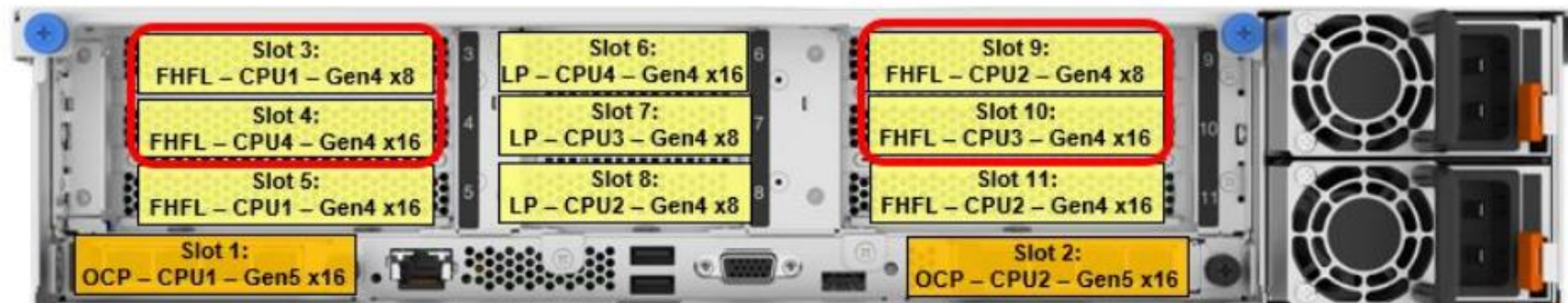


Note: The PCIe legacy ROM boot option is only supported on PCIe adapters connected to CPU 1 and CPU 2.

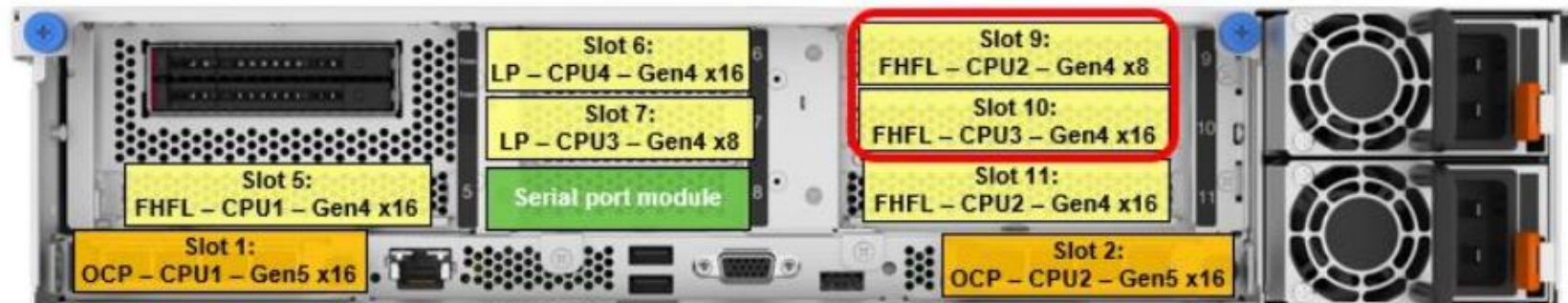
Three PCIe risers with PCIe 4.0 slots only



Nine PCIe 4.0 slots and two OCP PCIe 5.0 slots



Six PCIe 4.0 slots, one 7 mm drive cage, and two OCP PCIe 5.0 slots

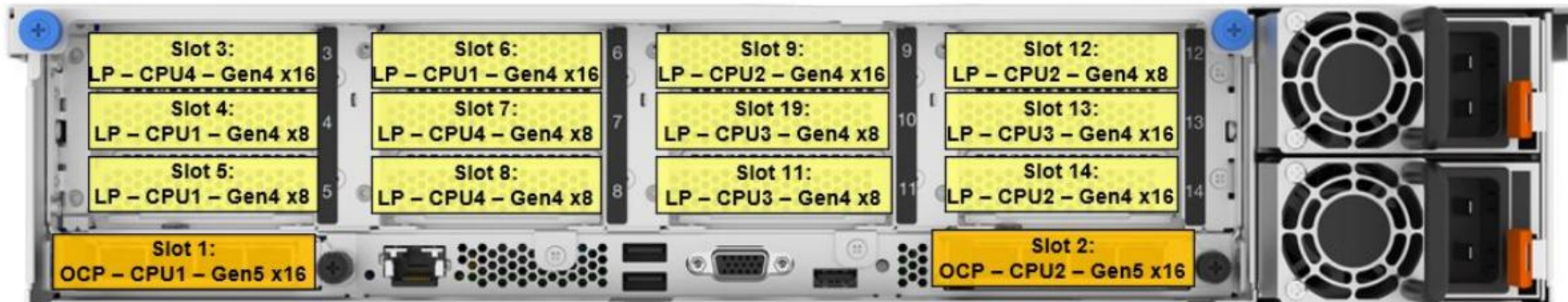


- Slot 4 supports a DW FHFL GPU or a 7 mm drive cage (installed in slots 3 and 4)
- Slot 10 supports a DW FHFL GPU (installed in slots 9 and 10)
- The serial port module is optional and can be installed in slot 8

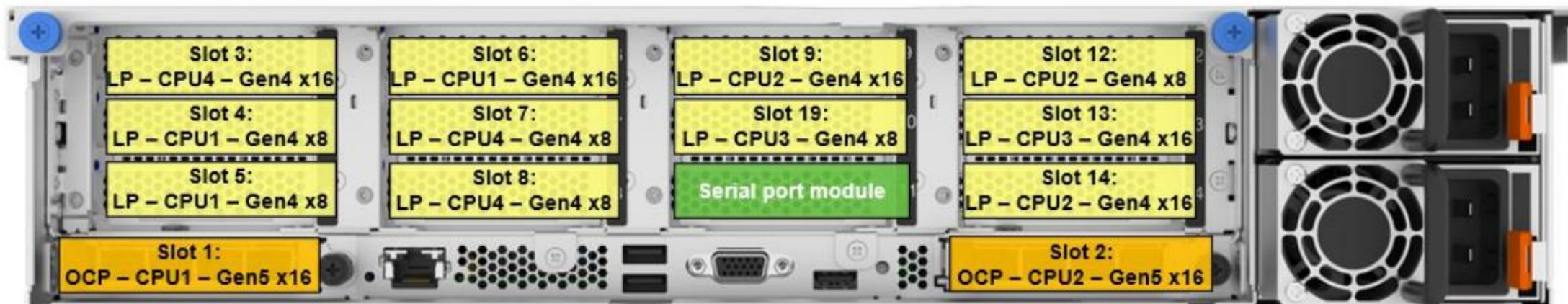
Four PCIe risers with PCIe 4.0 slots only



Twelve PCIe 4.0 slots and two OCP PCIe 5.0 slots



Eleven PCIe 4.0 slots, one serial port module, and two OCP PCIe 5.0 slots

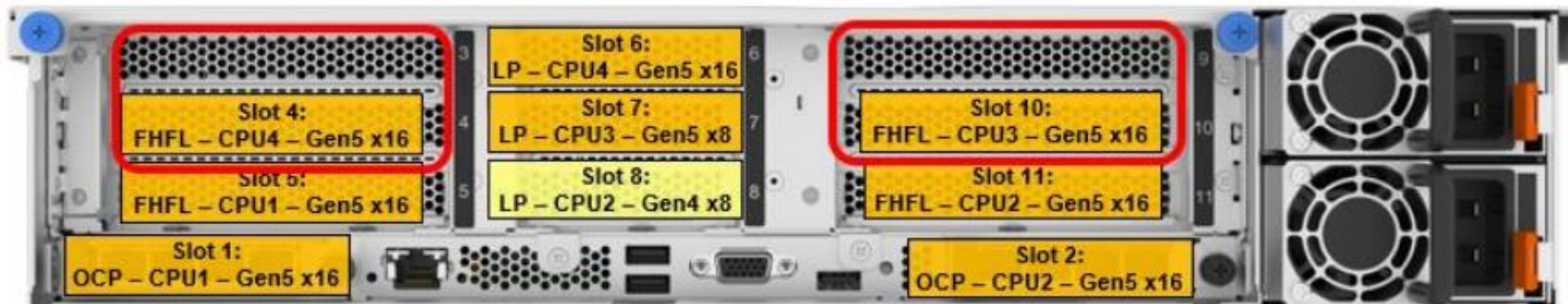


- The serial port module is optional and can be installed in slot 11

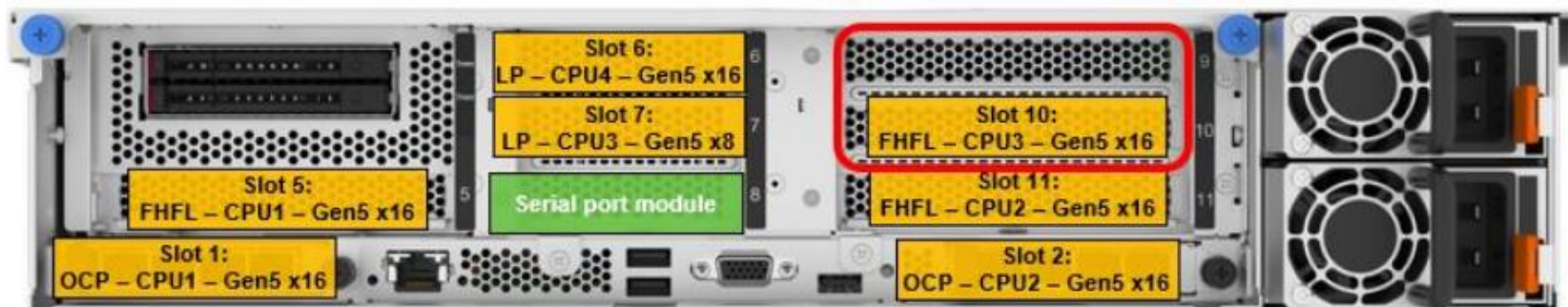
Three PCIe risers with PCIe 4.0 and 5.0 slots



Six PCIe 5.0 slots, two OCP PCIe 5.0 slots, and one PCIe 4.0 slot



Five PCIe 5.0 slots, one 7 mm drive cage, one serial port module, and two OCP PCIe 5.0 slots

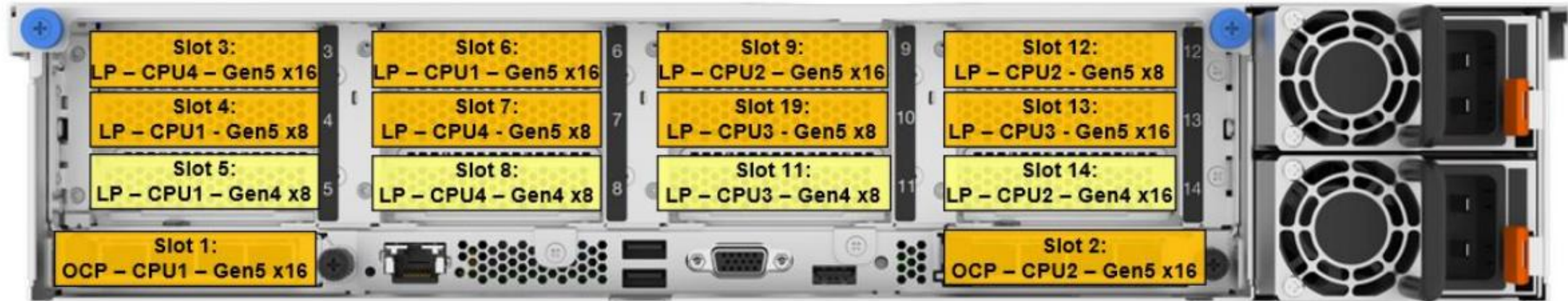


- Slot 4 supports a DW FHFL GPU or a 7 mm drive cage (installed in slots 3 and 4)
- Slot 10 supports a DW FHFL GPU (installed in slots 9 and 10)
- The serial port module is optional and can be installed in slot 8

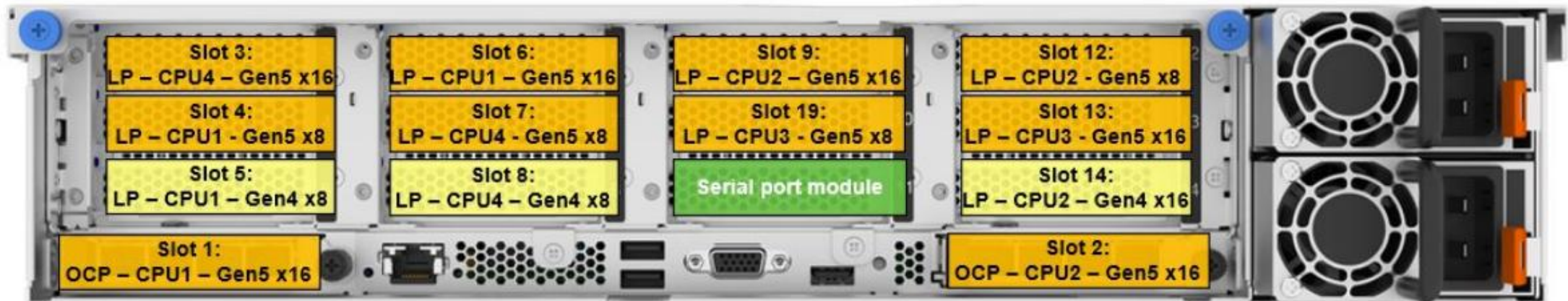
Four PCIe risers with PCIe 4.0 and 5.0 slots



Eight PCIe 5.0 slots, four PCIe 4.0 slots, and two OCP PCIe 5.0 slots



Eight PCIe 5.0 slots, three PCIe 4.0 slots, two OCP PCIe 5.0 slots, and one serial port module



- The serial port module is optional and can be installed in slot 11