

Servicing the Lenovo ThinkSystem SR530



ES71749

July 2017



Prerequisites

- ES41758 - ThinkSystem servers architecture introduction
<https://lenovoedu.lenovo.com/course/view.php?idnumber=ES41758>
- ES51757 - Introducing ThinkSystem tools
<https://lenovoedu.lenovo.com/course/view.php?idnumber=ES51757>
- ES41759 - ThinkSystem problem determination
<https://lenovoedu.lenovo.com/course/view.php?idnumber=ES41759>
- ES51780 - Servicing the ThinkSystem storage controllers
<https://lenovoedu.lenovo.com/course/view.php?idnumber=ES51780>

Objectives

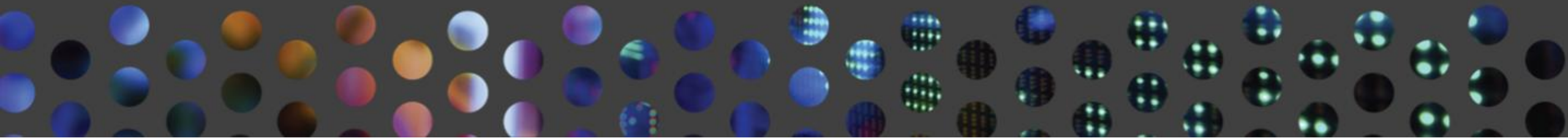
After completing the course, you will be able to:

- Describe the specifications of the ThinkSystem SR530.
- Explain memory and storage configuration rules of the ThinkSystem SR530.
- Describe the support options of LOM, ML2, and PCIe adapters.



➞ Product overview

Front, rear, and inside view, product description



ThinkSystem SR530 product overview

The Lenovo ThinkSystem SR530 (MT 7X07 and MT 7X08) is a value two-socket 1U rack server for Web hosting, collaboration, and virtualization.

Front view – SR530 3.5-inch chassis (chassis one)

Chassis one supports up to four 3.5-inch drives.



Supports four 3.5-inch simple-swap SATA drives.



Supports four 3.5-inch hot-swap SATA/SAS drives with 4x1 3.5-inch backplane.

Front view – SR530 2.5-inch chassis (chassis two)

Chassis two supports up to eight 2.5-inch drives.



No backplane and hard drives.

Upgrade path



Supports eight 2.5-inch hot-swap SATA/SAS drives with 4x2 2.5-inch backplane.

Front view – ports (2.5-inch chassis)

Click the highlighted area to view the details.



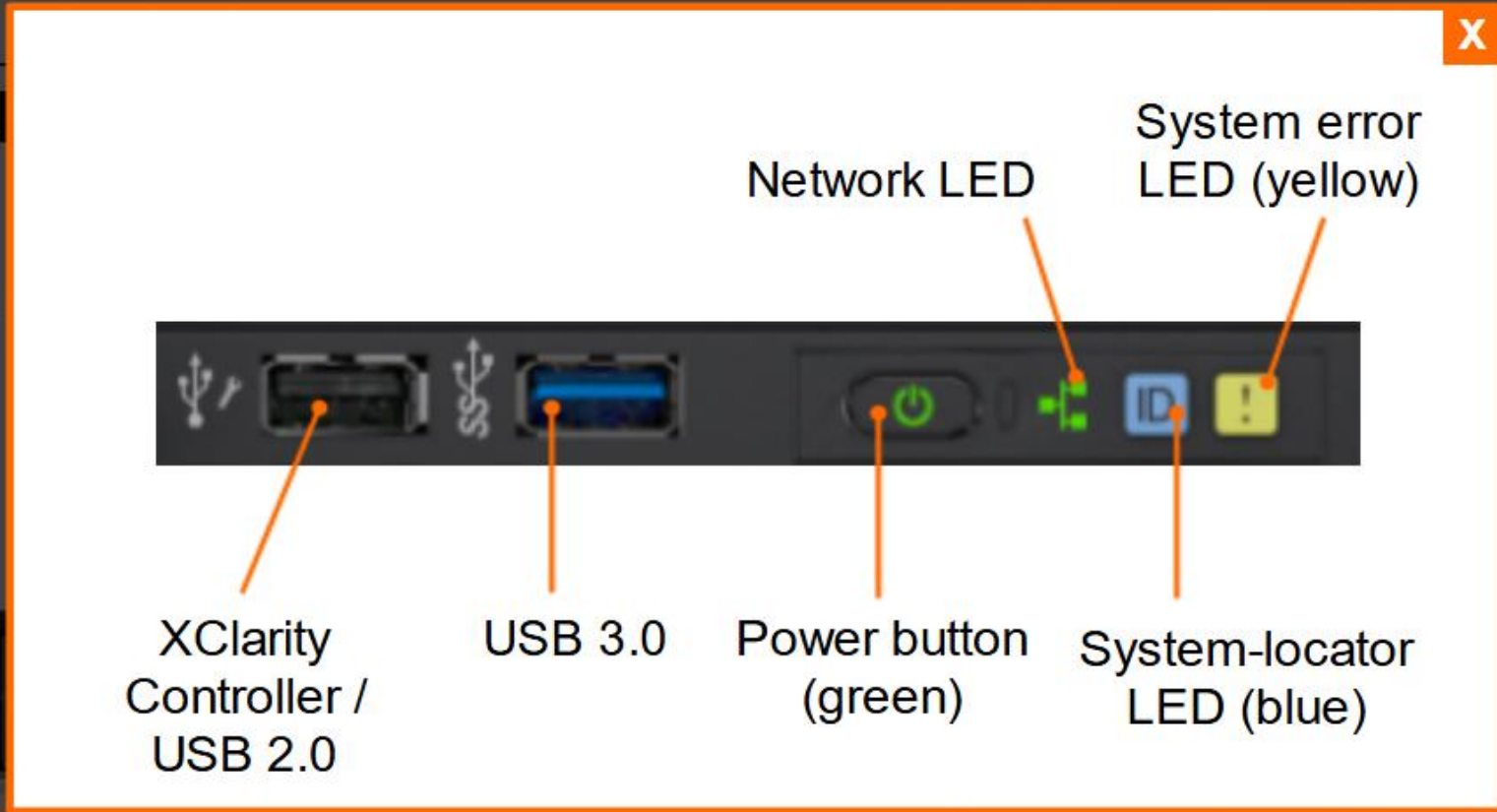
Optional VGA



View without VGA

Front view – ports (2.5-inch)

Click the highlighted area to view the



Optional VGA



View without VGA

Rear view

Click **Rear components** or **PCIe slots** to view the details.

Rear components

PCIe slots

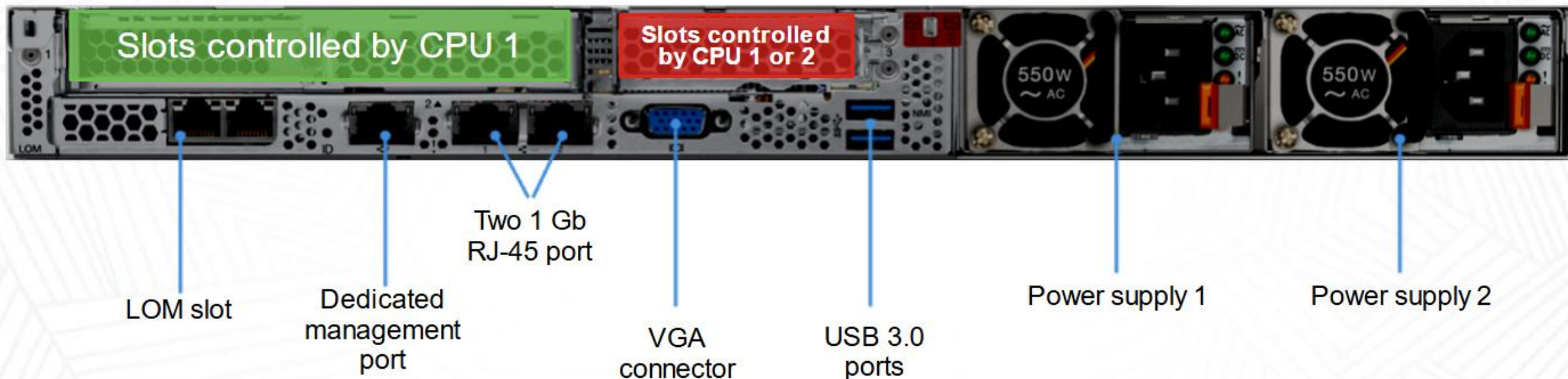


Rear view

Click **Rear components** or **PCIe slots** to view the details.

Rear components

PCIe slots



Rear view

Click **Rear components** or **PCIe slots** to view the details.

Rear components

PCIe slots



Riser 1

Option 1: x8/x8 ML2, HHHL

Option 2: x8/x16, HHHL

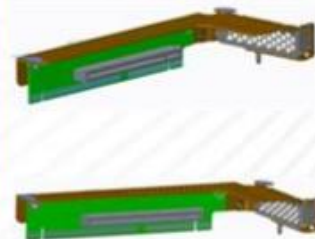
Option 3: x8/x16 (slot 1 – HHHL, slot 2 – FHHL, slot 3 will be not usable).



Riser 2

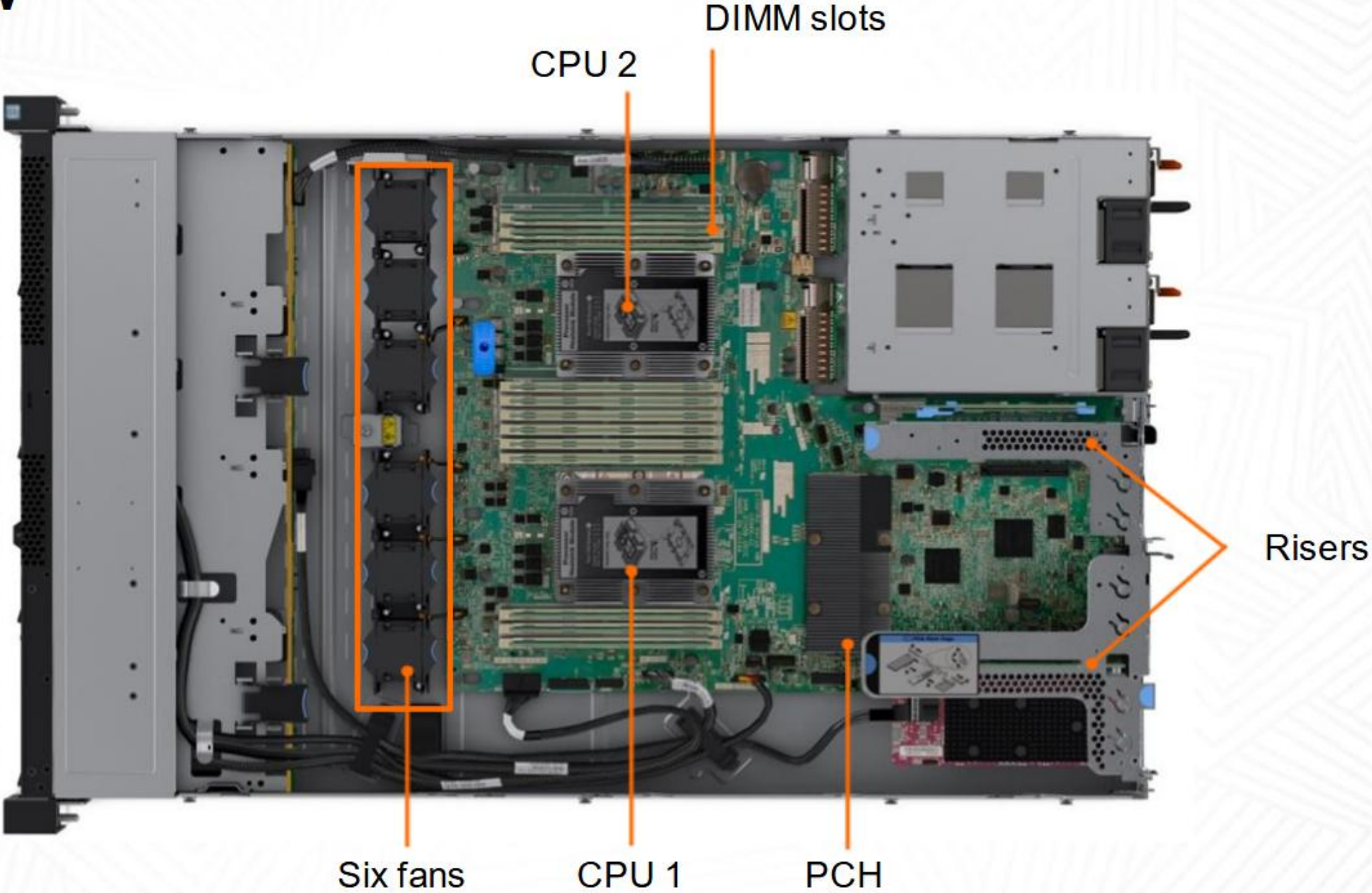
Option 1: x8, HHHL from first CPU.

Option 2: x16, HHHL (second CPU is required)



Note: If the Lenovo COM Port upgrade kit is selected, it is installed on slot 3.

Inside view



System block diagram

