



**ThinkSystem SR850 V2**  
**Type 7D31 and 7D32**  
**Quick Start**

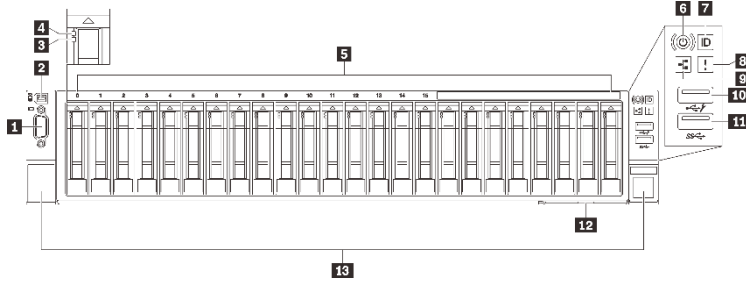
The shipping box contains the following items:

- SR850 V2
- Material box

If any item is missing or damaged, contact local service. Make sure to show proof of purchase and packing material. They might be required for warranty service.

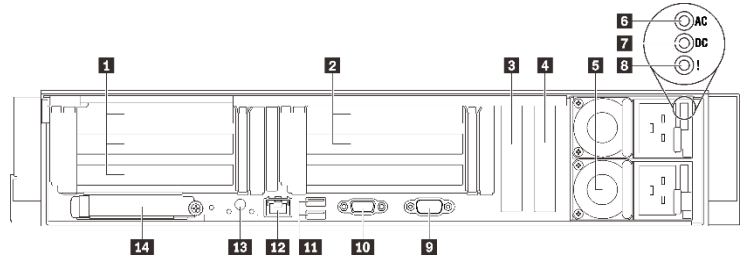
**First glance**

**Server front view:**



<b>1</b> VGA connector (optional)	<b>3</b> System error LED (yellow)
<b>2</b> External LCD diagnostics handset connector	<b>9</b> Network activity LED (green)
<b>3</b> Drive status LED (yellow)	<b>10</b> USB 1 (USB 2.0 with Lenovo XClarity Controller network management)
<b>4</b> Drive activity LED (green)	<b>11</b> USB 2 (USB 3.1)
<b>5</b> 2.5-inch drive bays	<b>12</b> Pull-out information tab
<b>6</b> Power button/LED (green)	<b>13</b> Rack release latches
<b>7</b> Identification button/LED (blue)	

**Server rear view:**



<b>1</b> PCIe slot 1-3 (riser 1)	<b>8</b> Power error LED (yellow)
<b>2</b> PCIe slot 5-6 (riser 2)	<b>9</b> Serial connector
<b>3</b> PCIe slot 7 (x8)	<b>10</b> VGA connector
<b>4</b> PCIe slot 8 (x8)	<b>11</b> USB 3 and 4 (USB 3.1)
<b>5</b> Power supply units	<b>12</b> XClarity Controller network connector
<b>6</b> AC power LED (green)	<b>13</b> NMI button
<b>7</b> DC power LED (green)	<b>14</b> PCIe slot 4 (OCP 3.0 Ethernet adapter)

**Setting up the System**

1. Install the required components.
2. Install the server into the rack.  
See *Rack Installation Guide*, which comes with the rail kit.
3. Connect the cables.
4. Connect the management controller to the network.
5. Power on the server.
6. Configure the system.

For detailed information about installing hardware options and configuring the system, see the following website:  
<http://thinksystem.lenovofiles.com/help/topic/SR850V2/introduction.html>



## Technical specifications

### Dimensions and weight

- Height: 86.5 mm (3.4 inches)
- Width:
  - With rack handles: 482 mm (19.0 inches)
  - Without rack handles: 434.4 mm (17.1 inches)
- Depth: 880.2 mm (34.7 inches)
- Weight (depending upon configuration):
  - Maximum: 40 kg (88.2 lb)

Note: The depth is measured with rack handles installed, but without the security bezel.

### Processor

This server comes with Intel Xeon Processor Scalable Family, up to four processors from

- Intel Xeon Platinum processor
- Intel Xeon Gold processor

### Memory

- Minimum: 32 GB
- Maximum:
  - RDIMM: 3 TB
  - 3DS-RDIMM: 6 TB
- DIMM types:
  - TruDDR4 ECC 3200 MT/s RDIMM and 3DS-RDIMM
  - Persistent Memory Module (PMEM)
- Slots: 24/48 DIMM slots, two-way interleaved

### Storage bays (depending on the model):











Three storage drive backplanes support up to Twenty-four 2.5-inch drives:

- Bay 0-23: SATA/SAS/NVMe

### Networking:

- One Ethernet connector as dedicated management port
- Two or four Ethernet connectors on OCP 3.0 Ethernet adapter

## Where to go for support

Link	QR Code
 Lenovo Press (Product guides and white papers) <a href="https://lenovopress.com/">https://lenovopress.com/</a>	
 Lenovo Datacenter Systems Forums <a href="https://forums.lenovo.com/t5/Datacenter-Systems/ct-p/sv_eg">https://forums.lenovo.com/t5/Datacenter-Systems/ct-p/sv_eg</a>	
 Lenovo Support - SR850 V2 (including drivers and software) <a href="http://datacentersupport.lenovo.com/products/servers/thinksystem/SR850v2">http://datacentersupport.lenovo.com/products/servers/thinksystem/SR850v2</a>	
 Lenovo Product Security Advisories <a href="http://support.lenovo.com/us/en/product_security/home">http://support.lenovo.com/us/en/product_security/home</a>	
 Lenovo Server Proven (Compatibility information) <a href="https://static.lenovo.com/us/en/serverproven/index.shtml">https://static.lenovo.com/us/en/serverproven/index.shtml</a>	

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