

Lenovo 42U 1200mm Deep Racks

Product Guide

Lenovo 42U 1200 mm Deep Static and Dynamic Rack offerings are industry-standard 19-inch server cabinets that are designed for high availability server environments. They are optimized to help maximize floor space, expedite installation, simplify cable management, and increase accessibility for improved serviceability. With a depth of 1200 mm (approximately 47 inches), these racks offer expansive rear channels with tool-less button mounts for virtually effortless installation of up to 8x 0U vertical rack strip power distribution units (PDU) or can easily accommodate vertical cable organizers or mounting other equipment.

Figure 1 shows the 42U 1200mm Deep Static Rack, 93614PX.



Figure 1. The front view (left) and rear view (right) of the Lenovo 42U 1200mm Deep Static Rack, 93614PX

Did you know?

Dynamic Racks enable you to receive your Lenovo solutions fully installed and integrated in the rack and ready to instantly deploy into your data center. Dynamic Racks are designed to affordably, safely, and securely handle shipping fully loaded configurations up to 950 kg (2,100 lbs), which can help to increase your efficiency by reducing the time and cost that is associated with typical server deployments. However, if you do not need to ship the rack fully loaded, Lenovo offers cost-effective Static offerings that are ideal when doing on-site integration.

Part number information

The following table lists the available 47U and 42U 1200mm Deep Racks.

Table 1. Ordering part numbers and feature codes

Description	Part number	Feature code
42U 1200mm Deep Static Rack	93614PX	9361RC4 fc 7651
42U 1200mm Deep Dynamic Rack	93604PX	9360RC4 fc 7649

The part numbers contain the following items:

- One rack
- Rear and front doors
- Side panels
- Shipping pallet and ramp
- Removable outriggers (Dynamic Rack only)
- Keys for the rack doors and side panels
- One front stabilizer bracket
- Two bolt down brackets /side stabilizers
- Hardware kit containing miscellaneous rack components
- Documentation package

Features and Specifications

The features of the 42U 1200mm Deep Racks include:

- 42U 600 mm x 1200 mm designs
 - Cost-effective 42U static (non-ship loadable) and dynamic (fully ship loadable) models
 - Designed for high availability Lenovo server environments
 - 600 mm standard single floor tile width to complement current raised floor data center designs
 - 1200 mm depth for improved cable management and air circulation
 - Compliance with the EIA-310-D industry standard for 19-inch, type A rack cabinets
- Rear cable management channels
 - Features expansive rear channels with tool-less button mounts for virtually effortless installation of up to 8x 0U vertical rack strip power distribution units (PDU), or can easily accommodate vertical cable organizers or mounting other equipment.
 - Zero U mounting design conserves valuable EIA space for IT equipment, simplifies cable management, reduces installation time and increases accessibility.
- Side pockets
 - Six sidewall compartments to support installation of 1U PDUs and switches without unnecessarily taking up valuable rack space
- Overhead cable access
 - Front cable access portals and a large rear adjustable opening provide improved overhead cable management
- Standard stabilizers
 - Standard front and side stabilizers for static rack stability when equipment is routinely installed, removed, or accessed
- Adjustable leveling pads

- Four easily adjustable leveling pads ensure stability and prevent rolling on casters
- U markings
 - Clear U markings on mounting rails to aid in space planning and installation
- 42U cabinets are less than 2 m tall on casters
 - Fixed front and rear swivel heavy duty casters that can easily accommodate the maximum load capacity, while still being less than 2 meters in height to allow the 42U rack models to fit under most doorways
- Perforated doors
 - Perforated front and rear doors for maximum airflow
- Split rear doors
 - Split rear door design for improved access and serviceability
- Secure doors and panels
 - Lockable doors and side panels provide a more secure environment for equipment and data
- Quick release hinges
 - Quick release hinge design allows the front door to easily be mounted on either side of the cabinet, which provides for flexible placement alternatives by allowing the door to open in either direction
- 42U Dynamic ship load offerings
 - Affordable 42U dynamic rack models that support shipping ready for instant deployment fully integrated solutions up to 2,100 lbs
 - Robust frame, mounting rails, and shock re-usable packaging to help protect the heaviest loads in transit
 - Integrated outriggers for dynamic tilt stability and safety at maximum loads

The 42U Dynamic Rack is delivered on a reusable shock-resistant pallet ready for transport. Figure 2 shows the features of the Dynamic Rack including the outriggers that aid the stability of the rack during movement, especially when the rack is fully loaded.

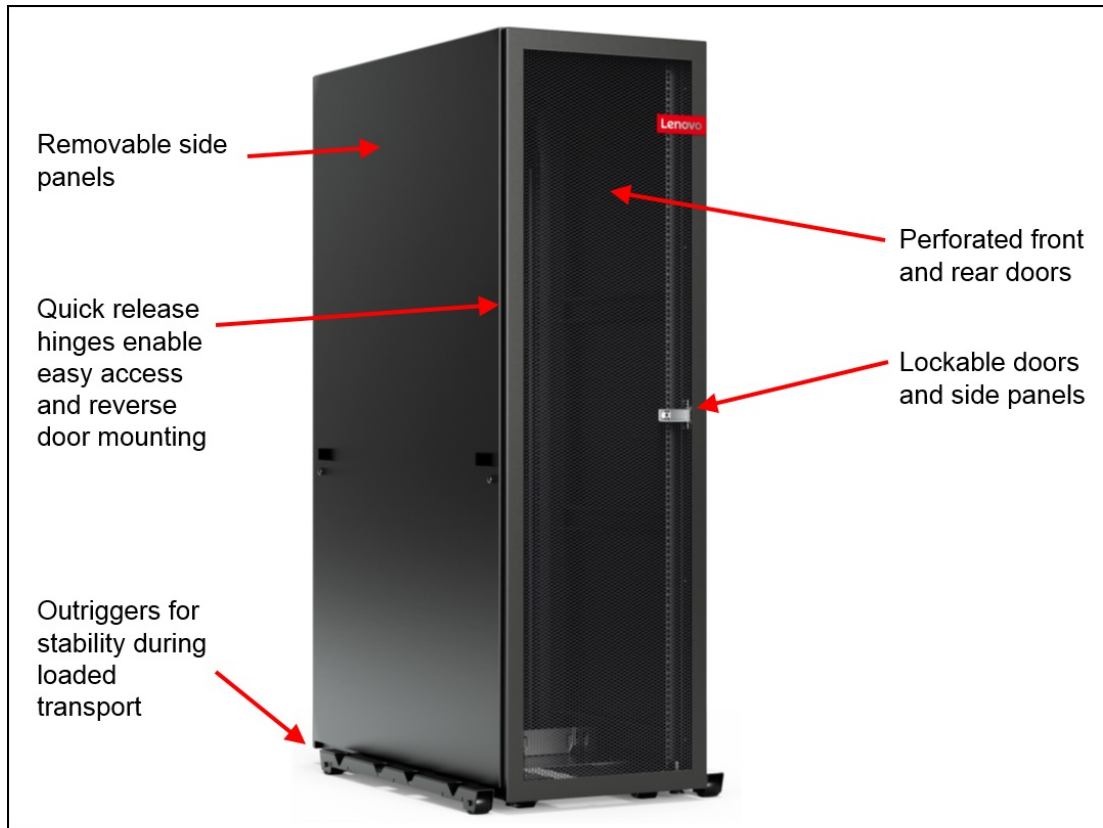


Figure 2. The 42U Dynamic Rack

Figure 3 shows the split rear doors plus the three of the six side-wall compartments (pockets) for 1U PDUs and switches.

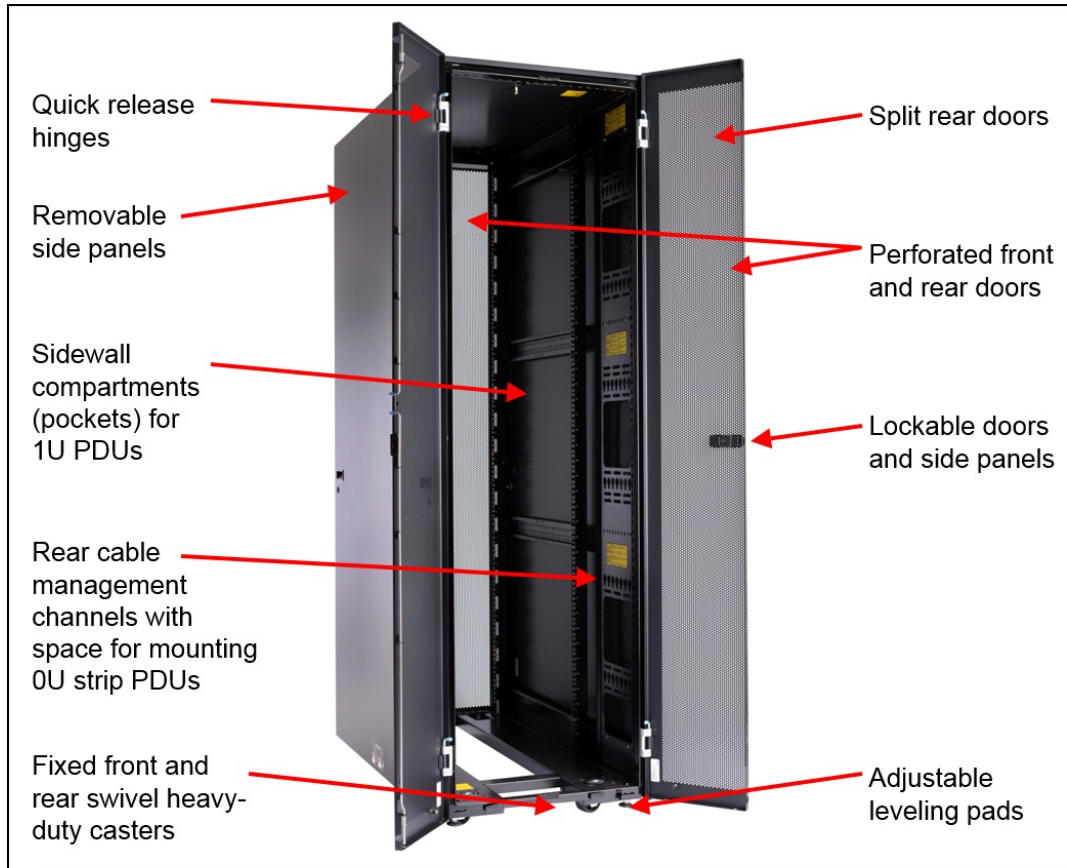


Figure 3. Rear view of the 42U 1200mm Deep Static Rack, 93614PX

The following table compares the power specifications of the racks.

Table 2. Specifications

Description	42U 1200mm Deep Static Rack	42U 1200mm Deep Dynamic Rack
Part numbers	9361-4PX	9360-4PX
Height in rack units	42U	42U
Can be shipped with servers installed	No	Yes
Removable lockable side panels	Yes	Yes
0U PDU tool-less mounting points	8	8
1U side-wall compartments (pockets)	6	6
External height	78.7 in / 2000 mm	78.7 in / 2000 mm
External depth	47.2 in / 1200 mm	47.2 in / 1200 mm
External width	23.8 in / 605 mm	23.8 in / 605 mm
Internal depth	46.8 in / 1189 mm	46.8 / 1189 mm
Rack weight (empty)	310 lb / 141 kg	367 lb / 166 kg*
Static load capacity	2100 lb / 953 kg	2100 lb / 953 kg
Dynamic load capacity	Not supported	2100 lb / 953 kg

* Rack weight includes outriggers

The 1200mm Deep Racks support tool-less rear-channel mounting for up to 8x 0U PDUs that have a button-mount design. Figure 4 shows the location of 0U 12 C19/12 C13 50A 3 Phase PDU in the rack.



Figure 4. Installation of an 0U 12 C19/12 C13 50A 3 Phase PDU into a 1200mm Deep Rack

Figure 5 shows how the 0U PDUs are attached using the button-mount design.

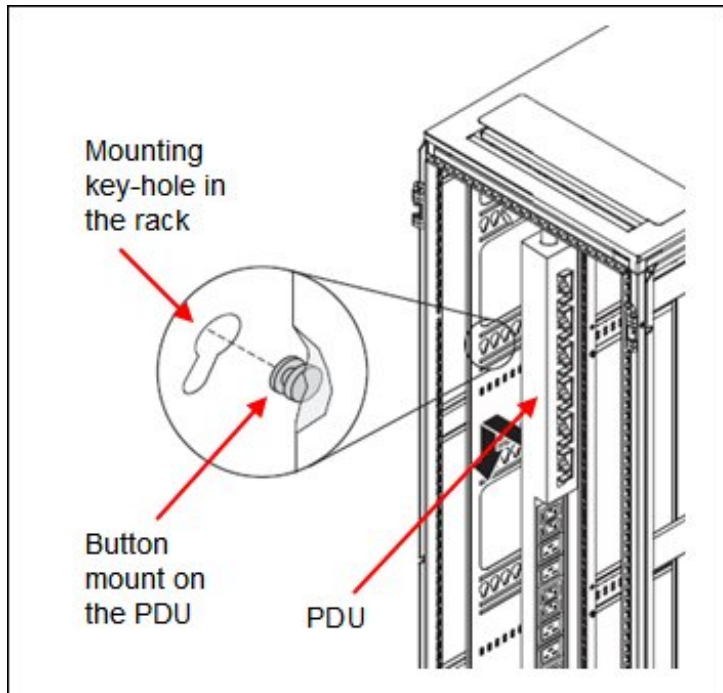


Figure 5. Installing the 0U Basic PDU in a Deep Dynamic or Deep Static rack

Warranty

The Lenovo 42U 1200mm Deep Racks are offered with a three-year limited warranty.

Related publications

For more information, refer to the following documents:

- Lenovo Press Rack Cabinet Reference:
<https://lenovopress.com/lp0658-lenovo-rack-cabinet-reference>
- Lenovo Press Rail Kit Reference:
<https://lenovopress.lenovo.com/lp1838-thinksystem-and-thinkedge-rail-kit-reference>
- Lenovo Press publications on PDUs
<https://lenovopress.com/servers/options/pdu>
- Installation Guide, 42U 1200 mm Deep Static and Expansion Racks
https://serveroption.lenovo.com/rack_enclosures/systemx_rack_42u_1200_mm_deep_static_rack
- Installation Guide, 42U 1200 mm Deep Dynamic Rack and 42U 1200 mm Deep Dynamic Expansion Rack
https://serveroption.lenovo.com/rack_enclosures/systemx_rack_42u_1200_mm_deep_dynamic_rack

Related product families

Product families related to this document are the following:

- [Rack Cabinets](#)

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