

Tecmojo 42U 31.5"DEPTH/CLEAR DOOR

Tecmojo 42U Server Rack Network Cabinet Instruction Manual

Model: 42U 31.5" Depth / Clear Door

Brand: Tecmojo

1. PRODUCT OVERVIEW

The Tecmojo 42U Server Rack Network Cabinet is a robust enclosure designed for organizing and protecting 19-inch IT, networking, AV, and server equipment. This model features a 31.5-inch depth with a clear door for easy visibility. It is constructed from high-quality alloy steel to ensure durability and a superior load capacity of up to 1800 lbs.

Key features include an 8-outlet Power Distribution Unit (PDU), cooling fans, a shelf, adjustable rack rails, cable management panels, and casters with brakes for mobility and stability. The fully lockable polycarbonate front door provides security while allowing quick visual inspection of equipment status.

42U Network Cabinet for IT & Telecom Equipment



Figure 1: Tecmojo 42U Server Rack with key dimensions. The cabinet has an exterior depth of 31.5 inches and a maximum mountable rail depth of 26.38 inches.

2. SAFETY INFORMATION

Please read and understand all safety instructions before assembling, installing, or operating this server rack. Failure to follow these instructions may result in injury or damage to equipment.

- **Weight Capacity:** Do not exceed the maximum load capacity of 1800 lbs (816 kg). Distribute equipment weight evenly within the rack.
- **Assembly:** Assembly should be performed by at least two individuals due to the size and weight of components. Wear appropriate personal protective equipment (PPE) such as gloves and safety glasses.
- **Stability:** Ensure the rack is placed on a level, stable surface. Use the leveling feet for additional stability, especially when the rack is stationary and fully loaded. Engage casters' brakes when moving the rack or when it is in its final position.
- **Electrical Safety:** When installing electrical components, ensure all power is disconnected. Use appropriate power strips and PDUs that comply with local electrical codes. Ensure proper grounding.
- **Ventilation:** Maintain adequate airflow around the cabinet to prevent overheating of equipment. Do not block ventilation openings.

3. PACKAGE CONTENTS

Verify that all components listed below are present and undamaged before beginning assembly. If any parts are missing or damaged, please contact customer support.

PRODUCT INCLUDES



12-24 Cage nut × 70

12-24 Cross screw × 70

1U Cantilever shelf × 1

1U Rack mount PDU × 1

Rack shelf back support × 2

1U Half rack rails × 1

Key × 4

Anti-slip stop × 2

Velcro cable tie × 10

Figure 2: Included components for the Tecmojo 42U Server Rack. This includes various nuts, screws, rack rails, a cantilever shelf, a PDU, keys, anti-slip stops, and Velcro cable ties.

- 42U Server Rack Frame (unassembled)
- 8-Outlet Power Distribution Unit (PDU)
- Cooling Fans (pre-installed in top cover)
- Rack Rails (adjustable)
- 1U Cantilever Shelf
- Cable Management Panels
- Casters with Brakes
- Leveling Feet
- 12-24 Cage Nuts (x70)
- 12-24 Cross Screws (x70)

- 1U Half Rack Rails (x1)
- Keys (x4)
- Anti-slip Stops (x2)
- Velcro Cable Ties (x10)
- Assembly Hardware (bolts, screws, washers)

4. SETUP & ASSEMBLY

The Tecmojo 42U Server Rack is designed for quick and easy assembly. It is recommended to have at least two people for assembly. Refer to the included video guide for a visual walkthrough of the assembly process.

Assembly Steps:

1. Unpack all components and verify against the package contents list.
2. Assemble the base frame of the cabinet using the provided hardware. Ensure all connections are secure but do not fully tighten screws until the entire frame is assembled.
3. Attach the vertical rack rails to the frame. The rack rails are adjustable to accommodate various equipment depths.
4. Install the top cover, which includes the pre-installed cooling fans. Secure it with the provided screws.
5. Install the side panels and the back door. These panels are removable for easy access and maintenance.
6. Attach the front clear door. Ensure the locking mechanism functions correctly.
7. Install the casters and/or leveling feet to the bottom of the cabinet. Casters provide mobility, while leveling feet offer stability.
8. Install the PDU, cantilever shelf, and cable management panels as needed using the cage nuts and screws.
9. Once all components are in place, securely tighten all screws throughout the cabinet.

Your browser does not support the video tag.

Video 1: Assembly guide for the Tecmojo 42U Network Cabinet (31.5-inch deep model). This video demonstrates the step-by-step process of assembling the rack frame, installing components, and securing doors and panels.

5. OPERATING INSTRUCTIONS

Equipment Installation:

- Ensure the rack is stable and level before installing any equipment.
- Mount 19-inch rack-mountable equipment using the adjustable rack rails and appropriate cage nuts and screws.
- Distribute the weight of your equipment evenly from bottom to top to maintain stability.
- Utilize the cantilever shelf for non-rack-mountable devices.

Power Distribution Unit (PDU):

- Connect the PDU to a suitable power source.
- Plug your equipment into the PDU outlets. Avoid overloading the PDU's maximum current rating.

Cooling Fans:

- The top-mounted cooling fans help dissipate heat from the cabinet. Ensure they are connected to a power source and operating correctly.

- Monitor equipment temperatures to ensure adequate cooling.

Cable Management:

- Use the provided cable management panels and Velcro ties to organize cables.
- Proper cable management improves airflow, simplifies maintenance, and prevents accidental disconnections.

Security:

- Lock the front clear door and side panels using the provided keys to secure your equipment.



Figure 3: Internal features of the Tecmojo 42U Network Cabinet, highlighting top-mounted fans for cooling, top and bottom brush panels for cable management, removable side panels for access, and a vertical mount PDU panel.

42U NETWORK CABINET

With PDU, Shelf and Cooling Fans

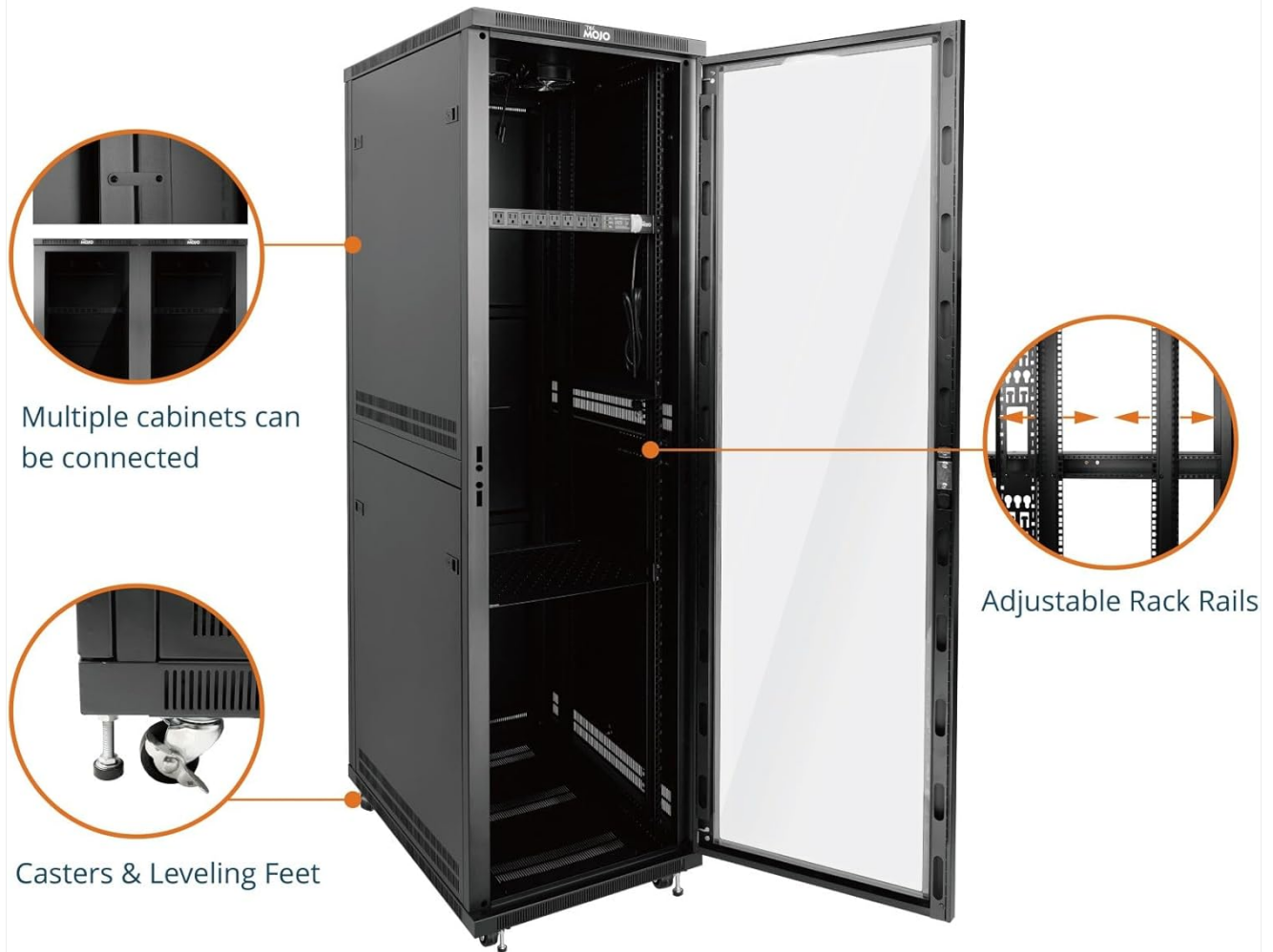


Figure 4: The Tecmojo 42U Network Cabinet includes a PDU, shelf, and cooling fans. It also features adjustable rack rails, casters, and leveling feet for flexibility and mobility.

6. MAINTENANCE

- **Cleaning:** Regularly clean the exterior of the cabinet with a soft, damp cloth. Avoid abrasive cleaners. For the interior, use compressed air to remove dust from equipment and fans.
- **Fan Inspection:** Periodically check the cooling fans for dust buildup and ensure they are operating quietly and efficiently. Clean or replace as necessary.
- **Hardware Check:** Periodically inspect all screws, bolts, and connections to ensure they remain tight. Retighten any loose hardware.
- **Cable Management:** Review cable routing to ensure no cables are pinched or obstructing airflow. Adjust as needed.
- **Door and Lock Functionality:** Ensure the front door and side panels open, close, and lock smoothly. Lubricate hinges or locks if they become stiff.

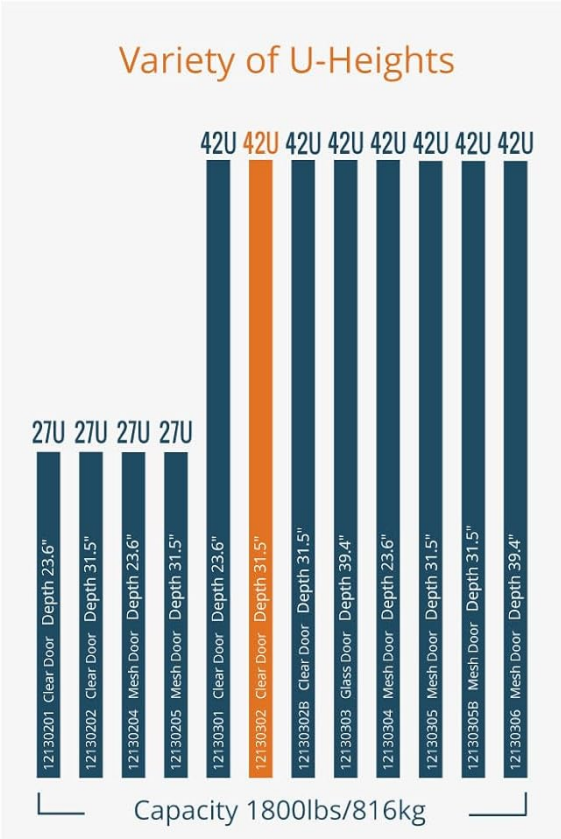
7. TROUBLESHOOTING

- **Overheating Equipment:**

- Ensure cooling fans are operational and not obstructed.
 - Check for proper cable management to improve airflow.
 - Verify that the room temperature is within acceptable limits for your equipment.
- **Rack Instability:**
 - Ensure the rack is on a level surface. Adjust leveling feet as needed.
 - Verify that all assembly screws are securely tightened.
 - Distribute equipment weight evenly.
- **Doors or Panels Not Closing/Locking:**
 - Check for any obstructions preventing the door or panel from closing fully.
 - Inspect hinges and locking mechanisms for damage or misalignment.
 - Ensure the correct key is being used for the locks.

8. SPECIFICATIONS

SPECIFICATIONS



42U Rack Space	Heavy Duty Cold Rolled Steel Structure
Weight Capacity: 1800lbs	Dimensions: 23.6"Lx31.5"Dx77.4"H
Reversible Locking Door	EIA/ECA-310-E Compliant

Figure 5: Detailed specifications for the Tecmojo 42U Server Rack, showing height of 77.4 inches (1965mm), depth of 31.5 inches (800mm), length of 23.6 inches (600mm), and a weight capacity of 1800 lbs (816 kg).

Feature	Specification
Model	42U 31.5"DEPTH/CLEAR DOOR
Product Dimensions (D x W x H)	31.5" x 23.6" x 77.4" (800mm x 600mm x 1965mm)
Max Mountable Depth	26.38 inches
Item Weight	195.6 pounds (88.7 kg)
Load Capacity	Up to 1800 lbs (816 kg)
Material	Alloy Steel
Door Type	Clear Door (Polycarbonate)
Included Accessories	PDU, Cooling Fans, Shelf, Rack Rails, Cable Management Panels, Casters, Leveling Feet
Compliance	EIA/ECA-310-E Compliant

9. WARRANTY AND SUPPORT

Tecmojo products are manufactured to high-quality standards and come with a standard manufacturer's warranty. For specific warranty details, please refer to the warranty card included with your product or visit the official Tecmojo website.

If you encounter any issues during assembly, installation, or operation, or if you require technical assistance, please contact Tecmojo customer support. Our team is available to provide guidance and resolve any concerns you may have.

Customer Support: For assistance, please visit the [Tecmojo Store on Amazon](#) or refer to the contact information provided in your product packaging.