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Tecmojo 12U Wall Mount Server Cabinet

Tecmojo Elite Collection 12U Wall Mount Server Cabinet User Manual

Model: 12U Wall Mount Server Cabinet

Brand: Tecmojo

1. Product Overview

The Tecmojo Elite Collection 12U Wall Mount Server Cabinet is a robust and efficient solution designed for organizing and securing IT network equipment. Constructed from high-quality cold rolled steel, it offers durability and a resilient base for your valuable hardware. This cabinet features a lockable mesh door and side panels for enhanced security, along with two built-in cooling fans to ensure optimal airflow and prevent overheating. Its compact design makes it ideal for spaces where floor-standing racks are not feasible, providing a space-saving and secure environment for servers, networking devices, and other IT components.



Image: Front view of the Tecmojo Elite Collection 12U Wall Mount Server Cabinet, showcasing its black finish, mesh front door, and side panels.

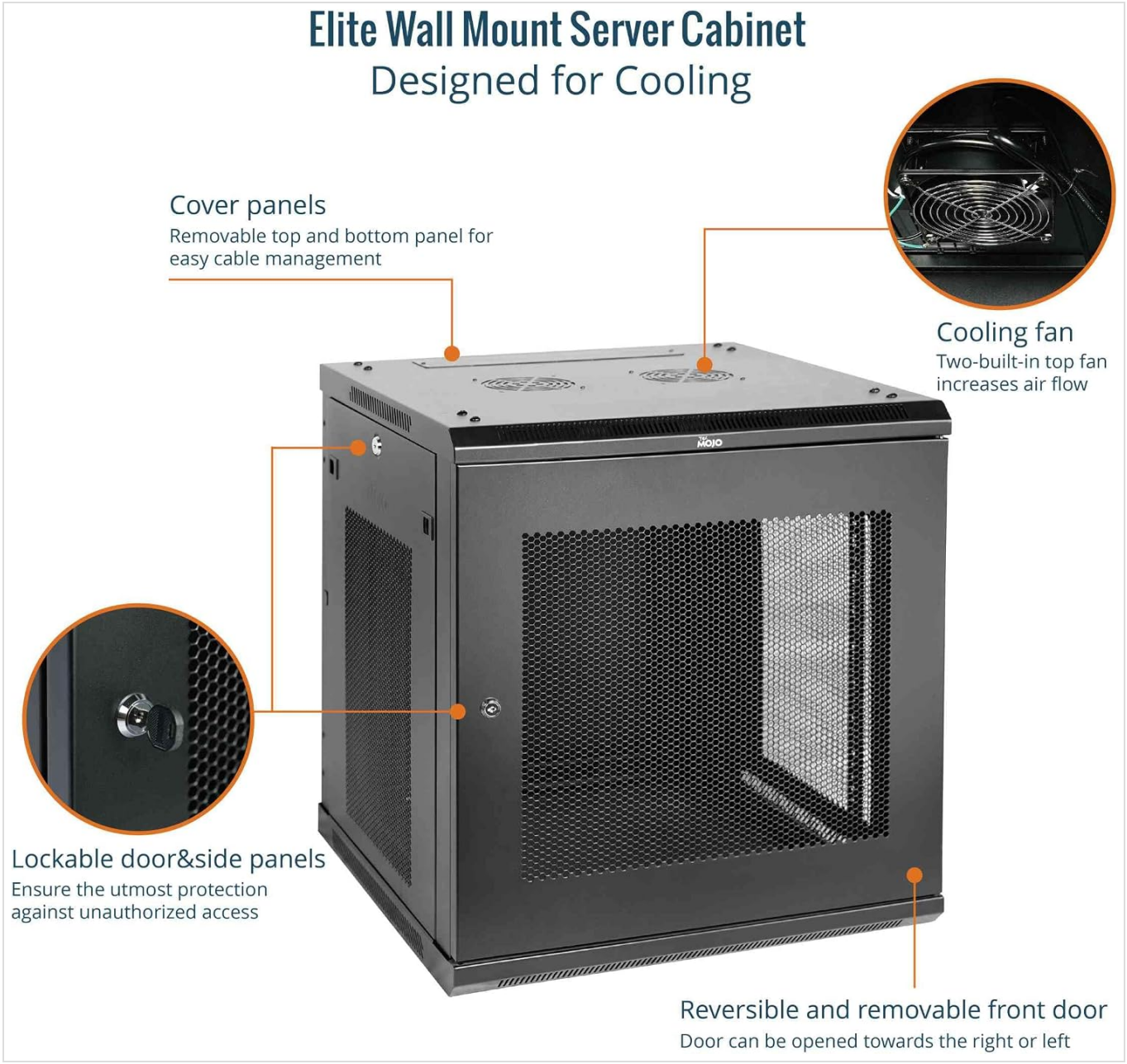


Image: Detailed view of the Tecmojo 12U server cabinet highlighting key features such as removable top and bottom panels for cable management, two built-in top cooling fans, lockable door and side panels, and a reversible and removable front door.

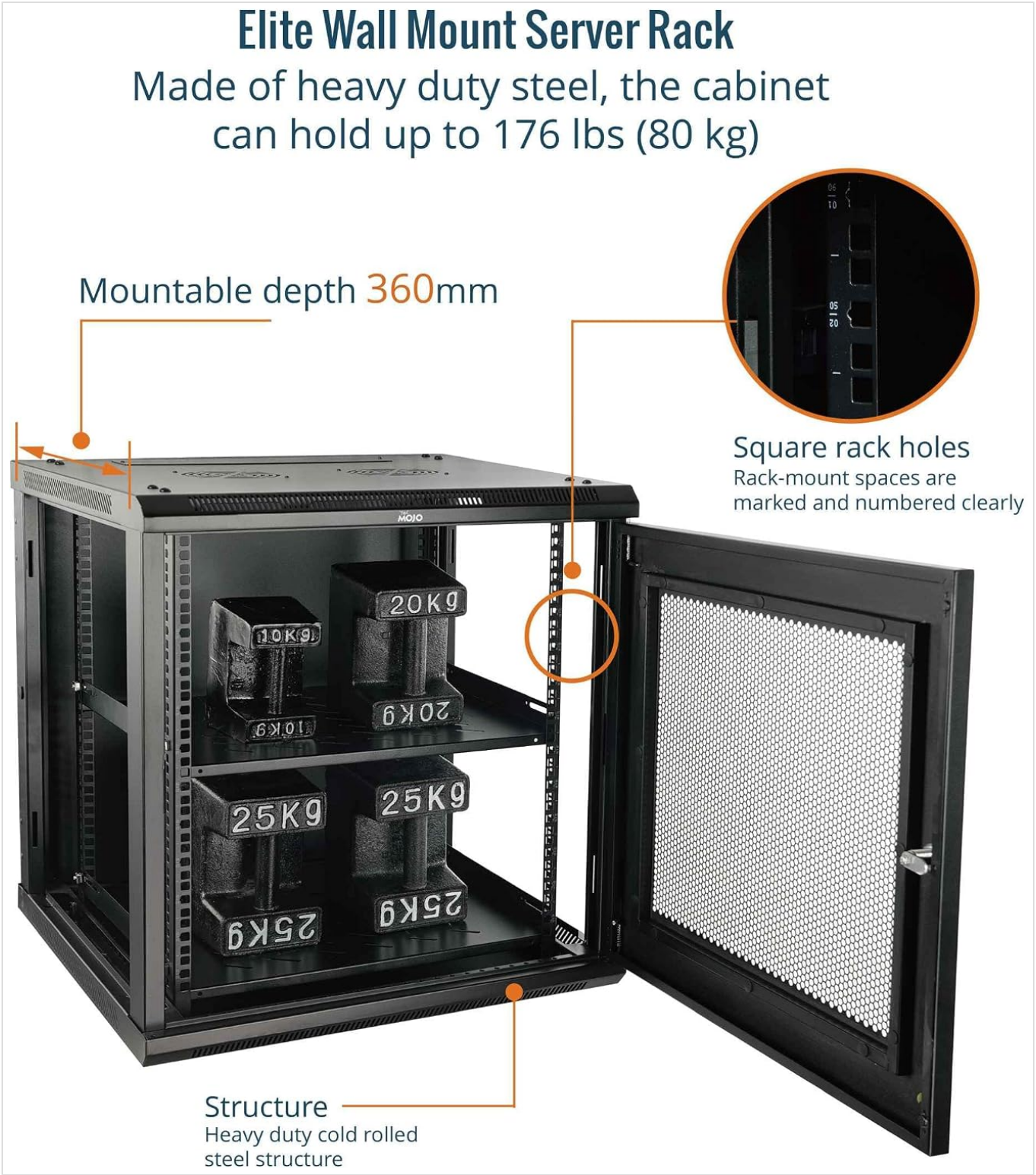
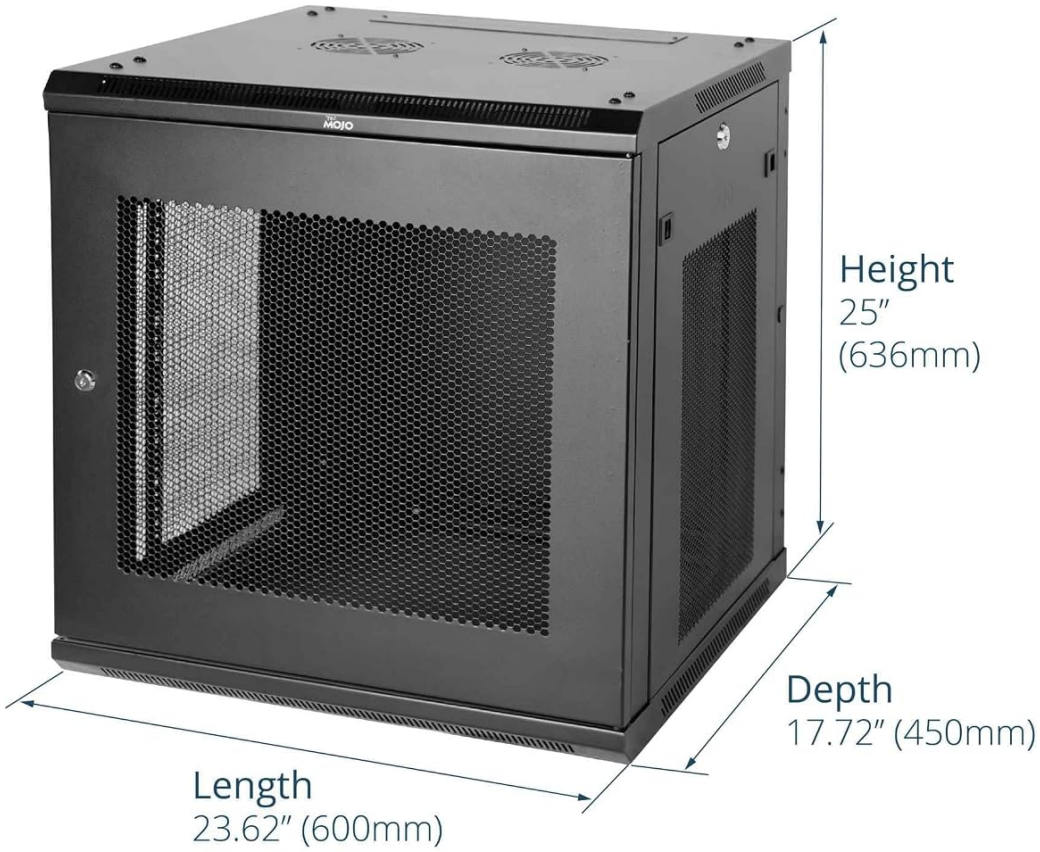


Image: Interior view of the Tecmojo 12U server cabinet with the door open, demonstrating its heavy-duty steel construction capable of holding up to 176 lbs (80 kg). The image also shows the mountable depth of 360mm and clearly marked square rack holes.

2. Specifications

SPECIFICATIONS



12U Rack Space	Heavy Duty Cold Rolled Steel structure
Weight Capacity: 176lbs	Dimensions: 23.62″Lx17.72“Dx25″H
Reversible Locking Mesh Door	EIA/ECA-310-E Compliant

Image: Diagram illustrating the dimensions (Length 23.62", Depth 17.72", Height 25") and key specifications of the Tecmojo 12U Wall Mount Server Cabinet, including 12U rack space, 176lbs weight capacity, heavy-duty cold rolled steel structure, reversible locking mesh door, and EIA/ECA-310-E compliance.

Product Specifications

Feature	Detail
Product Dimensions	17.72 x 23.62 x 25 inches
Item Weight	58.6 pounds
Manufacturer	Tecmojo
Material	Alloy Steel
Compatible Devices	Server
Mounting Type	Wall Mount

Feature	Detail
Assembly Required	Yes
Weight Capacity	Up to 176 lbs (80 kg)
Rack Space	12U
Compliance	EIA/ECA-310-E Compliant

3. Package Contents

Upon opening the package, please verify that all components are present and undamaged. The Tecmojo Elite Wall-mounted Cabinet comes flat-packed and requires assembly.



Image: A visual representation of the items included in the package: instruction manual, two cooling fans, two keys, M6 cross screws, and M6 cage nuts.

- Instruction Manual (PDF available online)

- M6 Cross screws × 10
- M6 Cage nuts × 10
- Keys × 2
- Fan × 2
- Cabinet Frame Components (Side frames, L-brackets, front/back brackets, top/bottom panels, back plate, side panels, front door)

4. Setup and Installation

Follow these steps carefully to assemble and install your Tecmojo 12U Wall Mount Server Cabinet. It is recommended to have assistance during the installation process due to the weight and size of the cabinet.



Video: Official installation guide for the Tecmojo Wall Mount Server Cabinet, demonstrating the assembly process step-by-step.

1. **Step 1: Assemble Rack Rails**
   Symmetrically place the side frames and assemble the rack rails. Ensure all components are aligned correctly before securing.
2. **Step 2: Fix L Bracket with Screws and Cage Nuts**
   Attach the L-brackets to the side frames using the provided screws and cage nuts. These brackets will support internal components.
3. **Step 3: Fix Front and Back Brackets**
   Secure the front and back brackets to the assembled side frames. These form the main structural integrity of the cabinet.
4. **Step 4: Assemble Bottom and Top Panels**
   Carefully assemble the bottom panel, then the top panel, onto the cabinet frame. Ensure all screws are tightened for stability.
5. **Step 5: Fix Back Plate**
   Install the back plate onto the rear of the cabinet, securing it with the appropriate fasteners.
6. **Step 6: Install Wall Mount Bracket on the Wall**
   Before mounting the cabinet, securely install the wall mount bracket onto a sturdy wall using appropriate hardware (not included). Ensure the bracket is level and can support the cabinet's weight plus equipment.
7. **Step 7: Hang and Fix Cabinet on the Bracket**
   Carefully lift and hang the assembled cabinet onto the pre-installed wall mount bracket. Secure the cabinet to the bracket using screws to prevent accidental dislodgement.
8. **Step 8: Assemble Side Panels and Install Front Door**
   Attach the side panels to the cabinet. Finally, install the front glass or mesh door. Ensure the door hinges are properly aligned and the locking mechanism functions correctly.

5. Operation

Once assembled and mounted, your Tecmojo server cabinet is ready for use. Consider the following for optimal operation:

- **Equipment Installation:** Install your servers, network switches, and other rack-mountable equipment using appropriate rack screws and cage nuts. Utilize the marked U-heights for organized placement.
- **Cable Management:** Use the removable top and bottom panels for efficient cable routing. Proper cable management improves airflow and simplifies maintenance.

- **Airflow:** The two built-in top fans are designed to increase air circulation. Ensure there is adequate space around the cabinet for proper ventilation. Avoid blocking the fan vents.
- **Security:** Always lock the front door and side panels to protect your valuable equipment from unauthorized access. Keep the keys in a secure location.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your server cabinet:

- **Cleaning:** Periodically wipe down the exterior surfaces with a soft, damp cloth. Avoid abrasive cleaners. For the mesh door, use a soft brush to remove dust.
- **Fan Check:** Inspect the cooling fans regularly for dust buildup. Clean them gently with compressed air or a soft brush to maintain efficient airflow.
- **Security Check:** Verify that the door and side panel locks are functioning correctly. Ensure all screws and fasteners remain tight, especially after moving or adding heavy equipment.
- **Cable Inspection:** Check cables periodically for wear, damage, or kinks that could impede airflow or cause connectivity issues.

7. Troubleshooting

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Cabinet feels unstable after mounting.	Wall mount bracket not securely fastened or wall not strong enough.	Ensure the wall mount bracket is installed into wall studs or appropriate anchors. Verify the wall material can support the total weight. Re-tighten all mounting screws.
Fans are not operating.	Power not connected or fan wiring issue.	Check if the fan power cable is properly plugged into a power source. Inspect fan wiring for any disconnections.
Door or side panels are difficult to close/lock.	Misalignment or obstruction.	Check hinges for proper alignment. Ensure no cables or equipment are obstructing the door/panel path. Lubricate hinges if necessary.
Equipment overheating inside the cabinet.	Poor airflow or fan malfunction.	Ensure fans are operating. Check for blocked vents or excessive cable clutter. Consider adding additional ventilation if needed.

8. Warranty and Support

Tecmojo products are manufactured with high-quality materials and undergo rigorous quality control. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. Please refer to the warranty card included in your package for specific terms and conditions.

For further assistance, technical support, or to inquire about replacement parts, please visit the official Tecmojo store or contact customer service:

- Official Tecmojo Store: Visit Store
- Installation Manual (PDF): Download PDF

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