

12U Cabinet [600*450]

A **12U Wall Mount Cabinet (600mm x 450mm)** is a standardized enclosure for 19-inch IT, telecommunications, and security equipment. It is commonly used for mounting switches, patch panels, and small servers while saving floor space.

Core Specifications

- **Capacity:** 12 Rack Units (U).
- **External Dimensions:**
 - **Width:** 600 mm (23.6").
 - **Depth:** 450 mm (17.7").
 - **Height:** Typically 600 mm to 645 mm, depending on the manufacturer.
- **Static Load Capacity:** 36 kg to 65 kg (standard) up to 100 kg (heavy duty).
- **Standard Mounting:** 19-inch standard (ANSI/EIA RS-310-D).





Technical Features

- **Material:** Cold-rolled steel (SPCC) with thicknesses ranging from 1.0mm to 1.5mm.
- **Front Door:** Often tempered glass (4mm–5mm thickness) with a 180° opening angle for visibility and security, though perforated metal options exist for better airflow.
- **Access:** Removable (and often lockable) side panels for easy equipment maintenance.
- **Cable Management:** Pre-punched cable entry points on the top, bottom, and sometimes the rear panel.
- **Ventilation:** Passive cooling holes at the top and base; many models include slots for installing 120mm cooling fans.
- **Finish:** Matt epoxy powder-coated paint, standard in Black (RAL 9005/9004) or Light Grey (RAL 7035).

Typical Accessories Included

- **Mounting Rails:** Usually 2 to 4 adjustable vertical rails with "U" height markings.

- **Hardware:** Cage nuts, M6 screws, and washers.
- **Security:** Locks with duplicate keys for the front door and side panels.
- **Grounding:** Earthing screws or grounding cables for safety.