12U Wall-Mount Network Cabinet, 19-Inch, 450 mm Depth

Racks & Power / Network Racks

The KONGIA KG-RACK-W12U-450 is a professional wall-mounted network cabinet with 12U capacity, a width of 600 mm and a depth of 450 mm for organizing standard 19-inch equipment in distribution nodes, offices, retail premises, small networks and CCTV systems with limited floor space. It is made of cold-rolled SPCC steel with galvanized square-hole mounting rails: the main structure, rear panel and top and bottom panels are 1.05 ± 0.1 mm thick; the adjustable 19-inch rails are 1.6 ± 0.1 mm thick; and the door frame and removable side panels are 1.05 ± 0.1 mm thick. It features lockable 5.1 ± 0.1 mm clear tempered glass, top and bottom cable entries, planned ventilation and a black finish produced by acid pickling, degreasing, phosphating, imported powder coating and electrostatic painting. It complies strictly with ANSI/EIA RS-310-D, IEC 297-2 and GB/T 3047.2-92. The combination of material thicknesses is specified for this capacity and depth to balance stability, service life, handling and cost, rather than applying a generic construction to the entire family.

KG-RACK-W12U-450

Cabinet type
Wall-mounted

Rack capacity
12U

Mounting standard
19 inches (482.6 mm)

Key features

- Professional cold-rolled SPCC steel construction with galvanized square-hole mounting posts
- Main frame, rear panel and top and bottom panels of 1.05 ± 0.1 mm
- Adjustable 19-inch mounting posts of 1.6 ± 0.1 mm to support and position equipment
- Door frame and removable side panels of 1.05 ± 0.1 mm
- 5.1 ± 0.1 mm clear tempered glass with lock
- Adjustable, closable top and bottom cable entries
- Removable side panels for installation, inspection and maintenance
- Grounding point provided for professional integration
- Finish using acid pickling, degreasing, phosphating, imported powder paint and black electrostatic coating
- Strict compliance with ANSI/EIA RS-310-D, IEC 297-2 and GB/T 3047.2-92

- KONGIA 5-year limited warranty
- Wall-mounted configuration for technical areas with limited floor space

Technical specifications

Parameter	Specification
Cabinet type	Wall-mounted
Rack capacity	12U
Mounting standard	19 inches (482.6 mm)
Design and manufacturing standards	ANSI/EIA RS-310-D · IEC 297-2 · GB/T 3047.2-92
Standards compliance	Strict compliance
External dimensions (W × H × D)	600 × 650 × 450 mm
Nominal depth	450 mm
Body material	Cold-rolled SPCC steel
Square-hole mounting posts	Galvanized steel
Main frame thickness	1.05 ± 0.1 mm
Rear panel thickness	1.05 ± 0.1 mm
Top and bottom panel thickness	1.05 ± 0.1 mm
19-inch mounting post thickness	1.6 ± 0.1 mm
Door frame thickness	1.05 ± 0.1 mm
Removable side panel thickness	1.05 ± 0.1 mm
Mounting rails	19-inch, depth-adjustable
Front door	5.1 ± 0.1 mm clear tempered glass with lock
Tempered glass thickness	5.1 ± 0.1 mm
Side panels	Removable for installation and maintenance
Cable entry	Top and bottom, adjustable and closable
Ventilation	Top and bottom openings; provision for forced ventilation
Grounding	Connection point provided
Surface process	Acid pickling, degreasing, phosphating, imported powder paint and electrostatic coating
Finish	Black electrostatic powder coating

Technical specifications

Parameter	Specification
Color	Black
Included accessories	1 fixed shelf and 4 casters; tempered glass door packaged separately
Packaging dimensions	690 × 230 × 650 mm
Reported net weight	19.1 kg
Warranty	5 years
Material compliance	RoHS 2.0 · REACH
Conformity and material documentation	CE-DOC · EN 10204
Manufacturer management systems	ISO 9001 · ISO 14001

Applications

Offices, Branches and Shops
Creates a 12U wall-mounted node to consolidate a router, switch, patch panel, organizers and compact PDU. The 450 mm depth allows equipment selection according to available space and keeps front and rear connections accessible.

Video Surveillance and Access Control
Protects PoE switches, termination panels, power supplies and controllers. A recorder or other equipment without mounting ears can be placed on a compatible shelf after checking depth, weight, ventilation and cable bend radii.

Education, Healthcare and Hospitality
Serves as an intermediate distribution point for classrooms, consulting rooms, guest rooms, hotel floors and administrative areas. Wall mounting keeps equipment out of circulation areas, and removable panels facilitate expansion.

Telecommunications and Integration
Allows WAN links, media conversion, fiber optics, patch panels and structured cabling to be prepared in a single enclosure. Adjustable posts and top and bottom entries help adapt the connection architecture.

Packaging & contents

Packaging: 690 × 230 × 650 mm. Reported net weight: 19.1 kg. Contents: 1 fixed shelf and 4 casters; tempered glass door packaged separately

Warranty

KONGIA 5-year warranty.

Declared compliance

RoHS · ISO 9001 · REACH · CE Compliant · RoHS 2.0 · CE-DOC · EN 10204 · ISO 14001