42U Floor-Standing Network Cabinet, 19-Inch, 1000 mm Depth

Racks & Power / Network Racks

The KONGIA KG-RACK-F42U-1000 is a professional floor-standing network cabinet with 42U capacity, a width of 600 mm and a depth of 1000 mm for organizing standard 19-inch equipment in telecommunications rooms, control centers and enterprise networks that need room to grow. 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 1.35 ± 0.1 mm thick; the adjustable 19-inch rails are 2.1 ± 0.1 mm thick; and the door frame and removable side panels are 1.35 ± 0.1 mm thick. It features a lockable high-ventilation perforated mesh door, 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-F42U-1000

Cabinet type
Floor-standing

Rack capacity
42U

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 1.35 ± 0.1 mm
- Adjustable 19-inch mounting posts of 2.1 ± 0.1 mm to support and position equipment
- Door frame and removable side panels of 1.35 ± 0.1 mm
- High-ventilation perforated mesh door 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
- Heavy-duty casters and leveling feet for positioning and stable operation
- Optional plinth for bottom cabling, ventilation and protection against rodent entry

Technical specifications

Parameter	Specification
Cabinet type	Floor-standing
Rack capacity	42U
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 × 2000 × 1000 mm
Nominal depth	1000 mm
Body material	Cold-rolled SPCC steel
Square-hole mounting posts	Galvanized steel
Main frame thickness	1.35 ± 0.1 mm
Rear panel thickness	1.35 ± 0.1 mm
Top and bottom panel thickness	1.35 ± 0.1 mm
19-inch mounting post thickness	2.1 ± 0.1 mm
Door frame thickness	1.35 ± 0.1 mm
Removable side panel thickness	1.35 ± 0.1 mm
Mounting rails	19-inch, depth-adjustable
Front door	High-ventilation perforated mesh door with lock
Side panels	Removable for installation and maintenance
Cable entry	Top and bottom, adjustable and closable
Ventilation	Perforated front door and 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	2 shelves, 1 fan, 1 PDU and 20 hardware sets
Mobility and leveling	Heavy-duty casters and leveling feet
Plinth	Optional for bottom cabling and ventilation
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

Telecommunications rooms
Consolidates switches, patch panels, organizers, PDUs, shelves and fiber links in 42U. The 1000 mm depth facilitates planning for bend radii, power, rear maintenance and spare units for growth.

Edge Data Centers and Enterprise Networks
Organizes active and passive infrastructure in headquarters, campuses, hotels, educational centers and industrial plants. The perforated door improves air exchange, and adjustable posts accommodate equipment of different depths.

CCTV and Security Control Centers
Integrates PoE switches, panels, shelf-mounted recorders, transmission equipment and power distribution. Organization by rack units helps identify services, separate subsystems and reserve future capacity.

Phased Deployments and Integrators
Provides a modular platform for documenting positions, separating data and power, expanding capacity without rebuilding the installation and performing maintenance through removable sides. The final thermal configuration must be validated against the actual load.

Packaging & contents

Contents: 2 shelves, 1 fan, 1 PDU and 20 hardware sets

Warranty

KONGIA 5-year warranty.

Declared compliance

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