

NETWORK CABINETS

Network Cabinet, 42U

Model **PSK-NCB-042** · Passive enclosure; fan trays and PDUs are ordered separately.

Floor-standing 19-inch server and network cabinet with 42U of usable height, four adjustable mounting rails and managed front-to-back airflow. Heavy-gauge steel construction, lockable doors on every face and generous cable management suit aggregation sites, server rooms and enterprise cores.

Overview

The 42U network cabinet is the structural backbone of an equipment room: a welded cold-rolled-steel frame with four depth-adjustable 19-inch rails that accept any EIA-310-compatible switch, server, ODF or power equipment up to 42 rack units high. A perforated or tempered-glass front door, split perforated rear doors and removable side panels - each with its own lock - give controlled access from every face.

Cooling follows the front-to-back pattern modern equipment expects: high-open-area perforated doors admit cold-aisle air, while a roof cut-out accepts an optional 2- or 4-fan extraction tray. Brush-sealed cable entries in the roof and base keep bundles tidy without breaking airflow separation, and vertical channels run the full interior height so power and data can be dressed on opposite sides. Levelling feet and optional castors handle uneven floors and room-to-room moves; a grounding kit bonds doors, panels and frame to the site earth.

In access-network builds this cabinet hosts OLT shelves, aggregation switches and ODF panels at central offices and PoP sites; in enterprises it anchors server rooms and floor cores. It ships welded or flat-packed depending on the route, and its 1300 kg static load rating covers dense server and battery configurations.

Key features

- 42U usable height on four depth-adjustable EIA-310-D-compatible rails
- 1.2 mm SPCC panels on a 1.5 mm welded frame; 1300 kg static load rating
- High-open-area perforated (or tempered-glass) front door and split perforated rear doors, all lockable
- Roof cut-out for a 2/4-fan extraction tray; brush-sealed top and bottom cable entries
- Full-height vertical channels for PDUs and cable dressing on both sides
- Removable, lockable side panels for service access in tight rows
- Levelling feet fitted; heavy-duty castors and plinth optional
- Complete earthing kit bonding doors, panels and frame

Applications

Server rooms · Aggregation and PoP sites · Central-office equipment rows · Enterprise network cores · Enterprise · Data center

Technical specifications

All values are typical for this product class.

Construction	
Frame	1.5 mm SPCC cold-rolled steel, welded
Panels and doors	1.2 mm SPCC
Front door	Perforated (65 % open area min) or 4 mm tempered glass
Rear doors	Split, perforated, lockable
Finish	Powder coat, black RAL 9004 (RAL 7035 option)
Locking	Swing-handle front, cam locks on panels

Capacity & load	
Usable height	42U, 19-inch EIA-310-D compatible
Static load	1300 kg
Load on castors	600 kg
Rail depth adjustment	100-800 mm

Access & cooling	
Airflow pattern	Front-to-back
Fan option	Roof tray, 2 or 4 x 120 mm fans
Cable entry	Brush-sealed roof gland plates + open base
Side access	Removable, lockable side panels
Ingress protection	IP20 class

Dimensions & environment	
External size (W x D x H)	600 x 1000 x 2055 mm
Packed weight	98 kg approx.
Operating environment	-10 to +55 deg C, 90 % RH max
Earthing	M8 studs, full bonding kit supplied

Standards alignment

- Designed to align with EIA/ECA-310-D 19-inch rack geometry
- Designed to align with IEC 60297-3-100 mechanical structures
- Designed to align with IEC 60529 (IP20)
- Materials and finishes selected to align with RoHS Directive 2011/65/EU

Packaging

Typical export packaging: welded cabinet shipped upright on an individual pallet with corner protectors, foam lining and stretch wrap (approx. 0.75 cbm, 110 kg gross); flat-pack option reduces volume by roughly 60 % for container loads.

Ordering & support: request the certified PROSKY datasheet, project pricing and delivery terms via proskytele.com.