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Deep Networks Group

DATA SHEET
DE-STD · SN-IRON-RACK · Rev. 2026

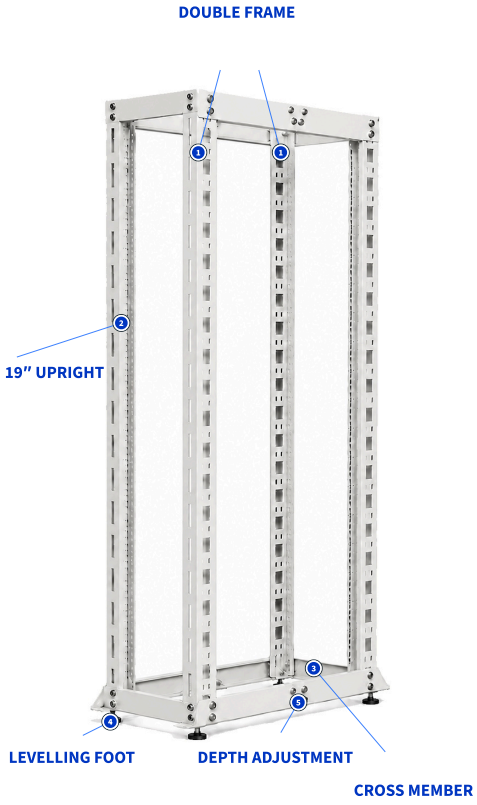
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OPEN RACKS 19″

SN-IRON Open Rack

Floor-Standing Open Rack, 19″



SN-IRON is a floor-standing, double-frame 19-inch open rack designed for housing and organising standard 19-inch rack equipment indoors. Its open construction provides convenient access to installed equipment from all sides.

The rack consists of two vertical mounting frames connected by adjustable structural elements. The depth can be set from 600 to 1000 mm in 100 mm increments, allowing the rack configuration to be adapted to equipment with different installation depths.

The rigid double-frame construction supports a distributed static load of up to 900 kg. The rack is supplied flat-packed for self-assembly, reducing transport and storage volume before installation.

The steel components are finished in RAL 7035 or RAL 9005.

AT A GLANCE

Product family	**SN-IRON**
Category	**Open Rack**
Installation	**Indoor**
Rack standard	**19″**
Assembly	**Flat-Pack**

NUMBERED DETAILS IN THE PHOTO

1. **Double-frame construction**
   Two vertical mounting frames — front and rear — form the rigid open structure: no side, top or rear panels to remove for access.
2. **19″ mounting rail**
   Perforated 19-inch mounting rail on one of the two front-frame uprights, drilled to the 19-inch rack standard for direct equipment mounting.
3. **Adjustable-depth cross member**
   Structural cross members connecting the two frames can be repositioned to set the rack depth from 600 to 1000 mm in 100 mm steps.
4. **Levelling foot**
   Adjustable levelling feet at each corner of the base compensate for an uneven floor and keep the rack stable.
5. **Depth Adjustment Joint**
   Adjustable-depth telescopic join where the cross member locks into the frame, giving the 600–1000 mm depth range in 100 mm steps.

1 Key figures

Height	**24 / 42 / 46** U
Width	**600** mm
Depth	**600–1000** mm
Static Load	**900** kg

2 Key features

Steel Construction	Rigid cold-rolled steel construction
Double-Frame Construction	Rigid two-frame open structure
19″ Mounting Rails	For standard 19-inch rack equipment
Access From All Sides	Easy access to installed equipment from all sides
Levelling Feet	Adjustable support for stable floor installation
Flat-Pack Construction	Supplied unassembled for self-assembly
Ventilation Openings	Open structure supports natural airflow around equipment
Flexible Cable Routing	Open frame facilitates cable routing and organisation

TYPICAL APPLICATIONS

- Server Rooms
- Telecommunications Rooms
- Network Distribution Points

- Equipment Rooms
- IT Infrastructure
- LAN / WAN Infrastructure

WHAT'S IN THE BOX

- Set of 19″ vertical uprights
- Set of upper brackets
- Set of lower brackets
- Set of cross members
- Set of extension brackets
- Set of levelling feet
- Mounting kit

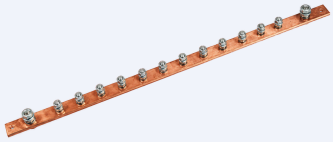
COMPATIBLE ACCESSORIES



PDU, 1U, 19″



Electrical Distribution Panel, 3U



Grounding Bus, 12-way, 19″

3 Size and configuration matrix

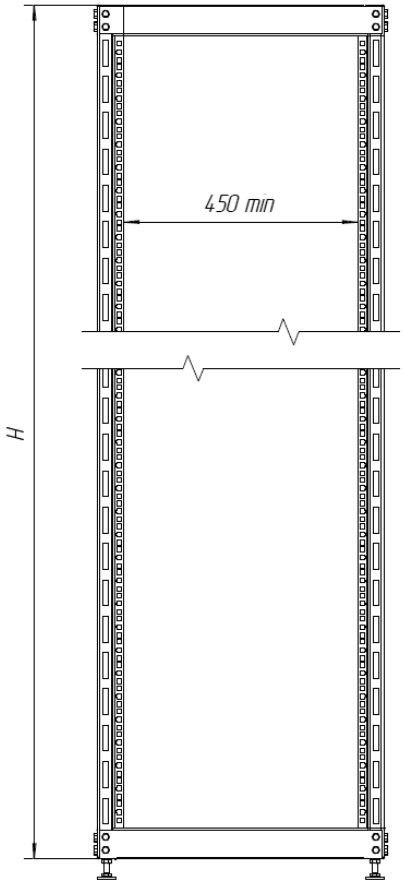
Size and configuration matrix. Rows give rack height in rack units and millimetres. Columns give the adjustable frame depth in millimetres. Each cell gives the net weight.

Height	Depth (mm)				
	600	700	800	900	1000
24U 1205 mm	16.0	16.0	16.0	16.0	16.0
42U 2005 mm	31.0	31.0	31.0	31.0	31.0
46U 2190 mm	32.0	32.0	32.0	32.0	32.0

Net weight is given once per height and applies to every depth position — the customer's own weight figures (24U/16 kg, 42U/31 kg, 46U/32 kg) do not vary by depth, since the depth-

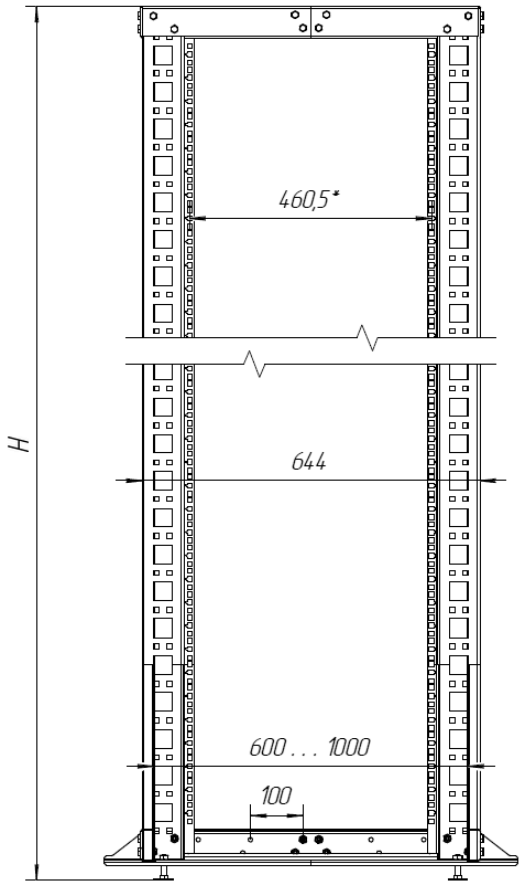
adjustment cross members are a small share of the frame's total steel compared to the vertical rails. This product has no usable-internal-depth figure: unlike an enclosed cabinet, the rack depth setting IS the usable mounting depth, with no rear door or panel to subtract.

4 Technical drawings



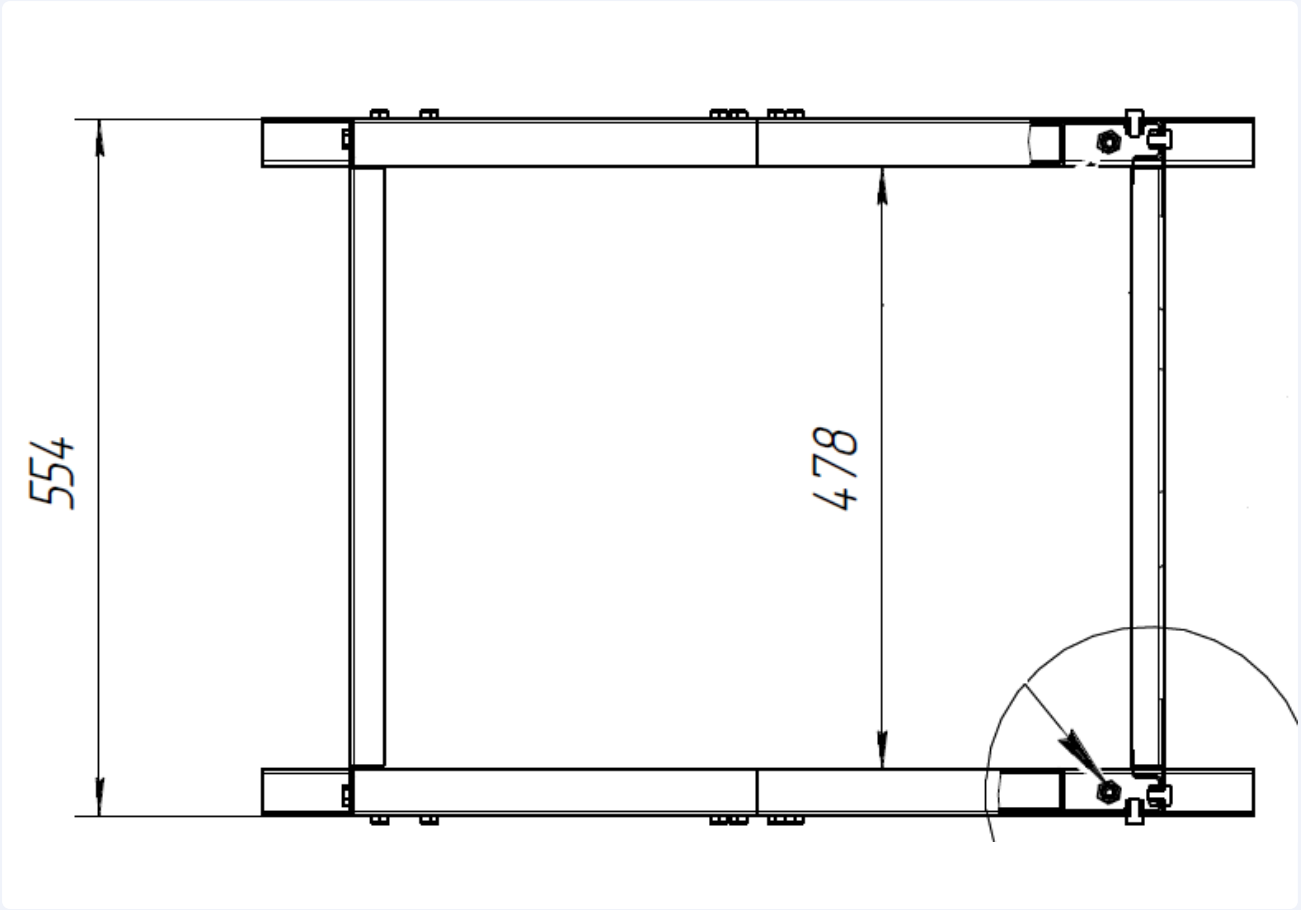
FRONT VIEW

Front elevation, generic for the whole range. Overall height on the left is marked H (U) and varies with the ordered size. The mounting-rail opening width is marked 450 min between the two vertical frames — a fixed clearance, not size-dependent. Levelling feet are visible at the base.



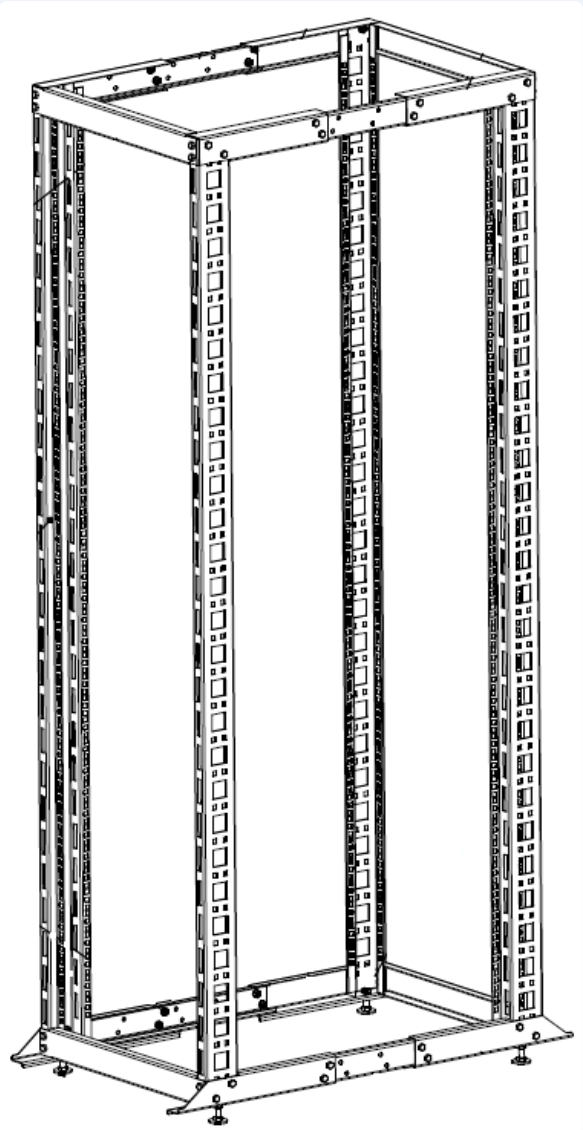
SIDE VIEW

Side elevation, generic for the whole range. Overall height on the left is marked H (U) and varies with the ordered size. The depth adjustment range is marked 600...1000 with a 100 mm step, matching the ordering range. Levelling feet are visible along the base.



TOP VIEW

Base frame seen from above, 554 mm wide by 478 mm deep between the outer corner posts. Four corner mounting holes for the levelling feet are visible near each corner.



GENERAL VIEW

General view of the assembled rack showing how the flat-pack parts relate. The two vertical mounting frames stand at the sides. Upper and lower cross members (slides) connect them, secured by left and right corner brackets at each joint, bolted with M8 and M10 hardware. Levelling feet attach at the base corners.

5 Standards and certification

- ✓ **IEC 60297-3-100** 19-inch rack dimensions
- ✓ **EIA-310** 19-inch equipment mounting

6 Colour and ordering

Available finishes



RAL 7035
Light grey



RAL 9005
Jet black

Ordering code

`SN-IRON-OR-UA-19-[H]U-[W]-[D]-2R-[RAL]`

`SN-IRON`

Series name

`OR`

Open rack

`UA`

Unassembled (flat-pack)

`19`

19-inch rack standard

`[H]`

Height in rack units — 24, 42, 46

`[W]`

Width code — 06 means 600 mm — 06

`[D]`

Depth range code — 06/10 means adjustable 600 to 1000 mm in 100 mm steps — 06/10

`2R`

Double-frame rack

`[RAL]`

Powder-coat colour — 7035 light grey or 9005 black

EXAMPLE `SN-IRON-OR-UA-19-42U-06-06/10-2R-7035`

42 rack units high, 600 mm wide, depth adjustable 600 to 1000 mm, double-frame construction, RAL 7035 light grey.

The depth setting is a field adjustment on the assembled frame, not a separate ordered configuration — one SKU per height covers the full 600-1000 mm range.

Made in Europe

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