

INFRALAN®

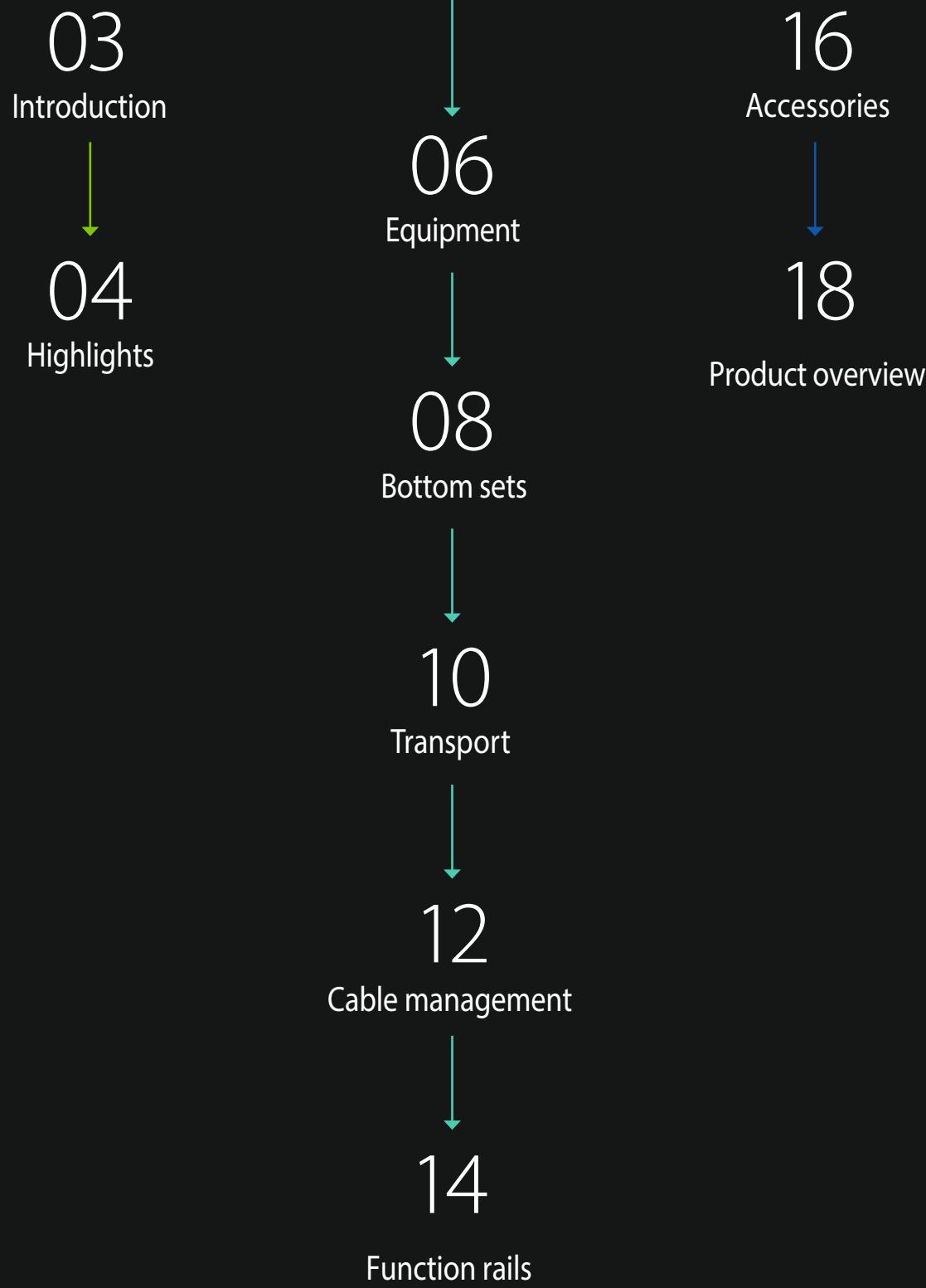
INFRALAN® System Rack



A brand of

E/F/B
ELEKTRONIK

Contents





Solid. Sophisticated. Compatible.

The INFRALAN® System Rack is a modular expandable 19" cabinet system for flexible use as a conventional free-standing distribution cabinet or in the data centre.

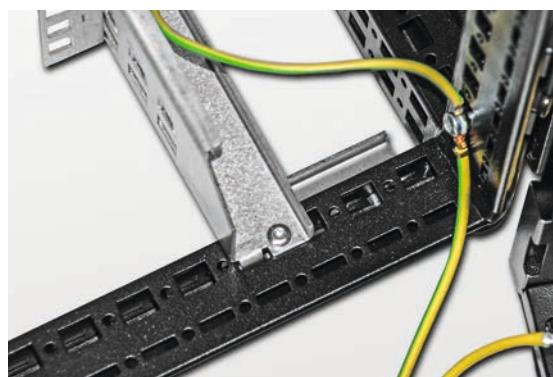
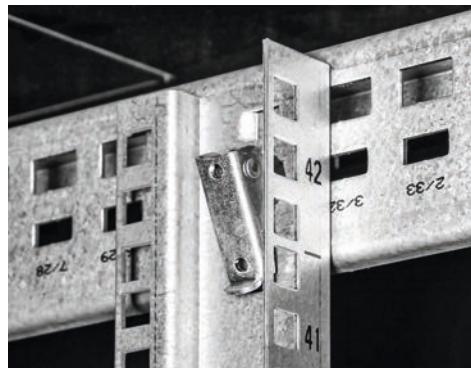
Thanks to the wide range of accessories, it can be expanded individually and meets the highly diverse installation requirements. Additional system cabinets can be added on all sides.

The rack is available in both light grey (RAL7035) and jet black (RAL9005), thereby conforming perfectly to the desired data centre colour schemes. Newly designed, patented frame profiles with a max. load of 1500 kg guarantee high stability.

The side walls are included in the basic model. A bottom unit is available as an option. All cabinet sections are earthed on the profile frame.

Tool-less depth adjustment

Optional depth adjustment of the 19" profile rails without the need for tools. This assures optimum comfort and maximum time saving.



Easy transport

An optional divisible frame guarantees easy transportation of the cabinet system. Structural restrictions such as narrow doors and staircases are no longer an issue..



Customised modification

Due to the surrounding grid holes in the profile frame, the profile mounting rails can be adjusted both symmetrically and asymmetrically. By sliding the profile mounting rails to the side, the 19" level can, if necessary, be expanded to 21" or moved completely to the side.

At a glance

- Basic configuration
- Accessories



INFRALAN® System Rack Highlights

1



VARIANTS

- Glass door 1-part
- Steel door 1-part
- Steel door perforated 1-part

2



VARIANTS

- Steel door 2-part
- Steel door perforated 2-part



Limitless variety

3



4



5



1 The basic version of the INFRALAN® System Rack is supplied with a glass door, a rear wall and two side walls. The side and rear walls are identical. Furthermore, all common door variants such as 1-part or 2-part steel doors are available with and without EMC-compliant 80 % door perforation. For free-standing installation, all doors have an opening angle of 270°.

2 All door variants, without exception, have 3-point bar locking and a turning handle with exchangeable profile half-cylinder.

3 The INFRALAN® System Rack is supplied as standard with side walls. These can be removed or fitted within seconds using the four quick fasteners. Side and rear walls of the same width are identical and can therefore be used universally. This reduces the diversity of sections.

4 Several polyurethane foam strips assure soft closure of doors.

5 A retrofittable lock for the wall elements, which can also be fitted in a few easy steps, provides reliable protection against unauthorised access.

Individual bottom sets.

1 Bottom with 4 x surrounding cable entry

A bottom unit is recommended to protect the underside. It also seals the cabinet system. 1-part and multi-part bottom sets are available for the INFRALAN® System Rack.

2 Bottom sets, multi-part

1-part bottom sets are suitable for installation at the initial assembly stage. Multi-part bottom sets can also be fitted afterwards.

3 Bottom with 6 x surrounding cable entries (depth 1200 mm)

The bottom sets have up to six pre-punched cable entries, size 450 x 90 mm. In the middle of the bottom unit, there are also openings for ventilation accessories and filter units. Brush bars ensure the cable entries in use are sealed..

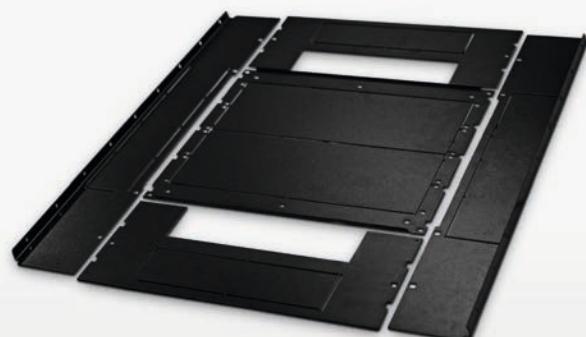
4 Plinth with flexible cable entry

The corresponding plinths are available for installation at a higher level. Cables can be fed through a total of 5 lateral and rear openings of 250 x 70 mm. The front side is perforated for optimal air circulation.

1



2



3



4





Easy Transport.

Divisible frame (in assembled state)

A rack may be too bulky to transport through narrow doors or staircases. The INFRALAN® System Rack is available with a divisible frame, whereby the width of the cabinet is reduced by half. This means there is no need to disassemble the profile rails – simply the outer components such as walls, roof and doors need to be removed.



Stacking connector (mounted on one side with side wall)

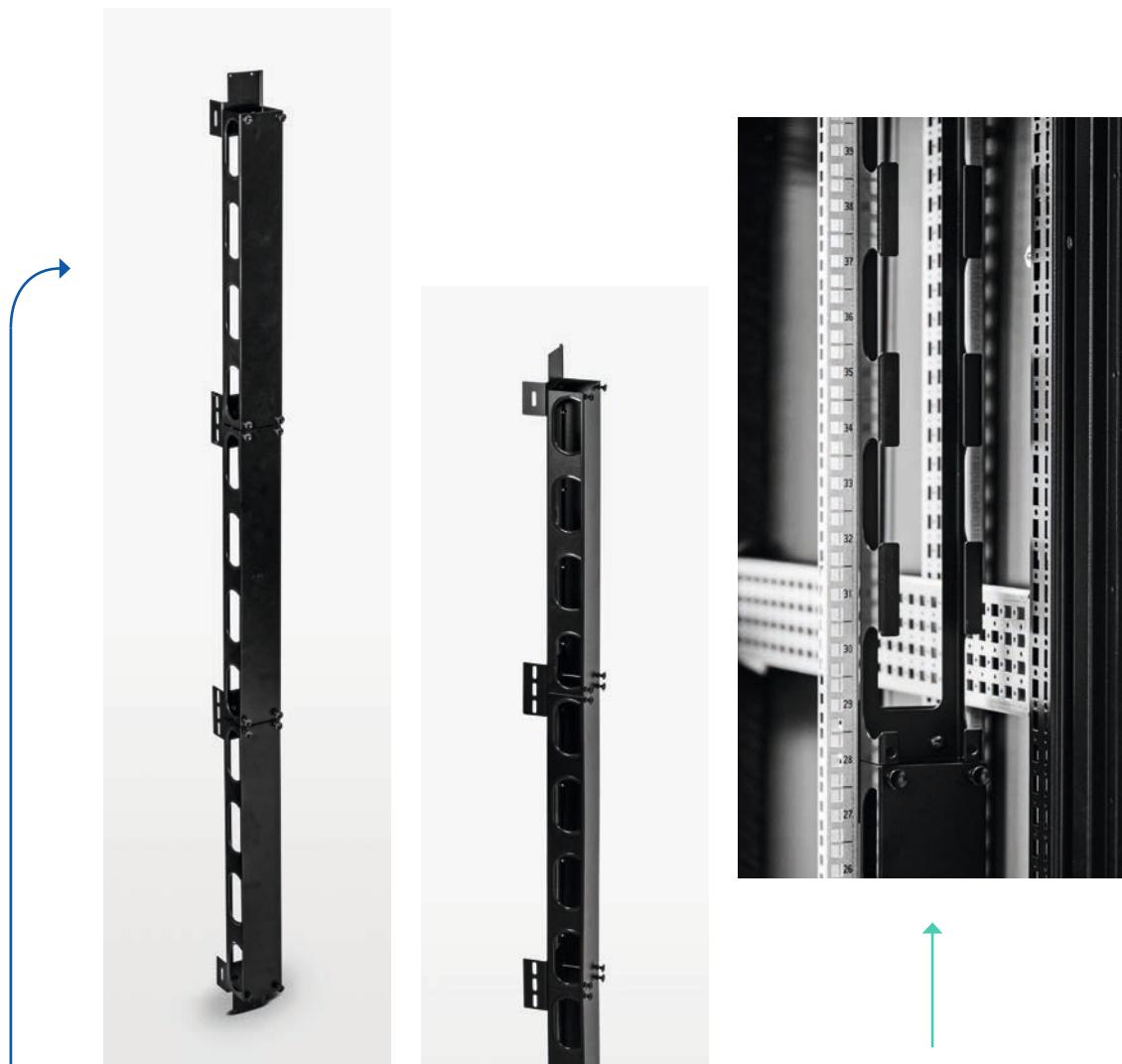
Racks must be stable and securely stacked in the data centre. The stacking connectors connect the profile frames directly to each other, thereby assuring stability. Side walls can continue to be used. Due to the symmetrical profile frame, the INFRALAN® System Rack can be stacked on all sides.

Transport lugs

Sometimes a transport by crane is necessary. The transport lugs ensure secure hold, since they are directly screwed into the frame profiles.



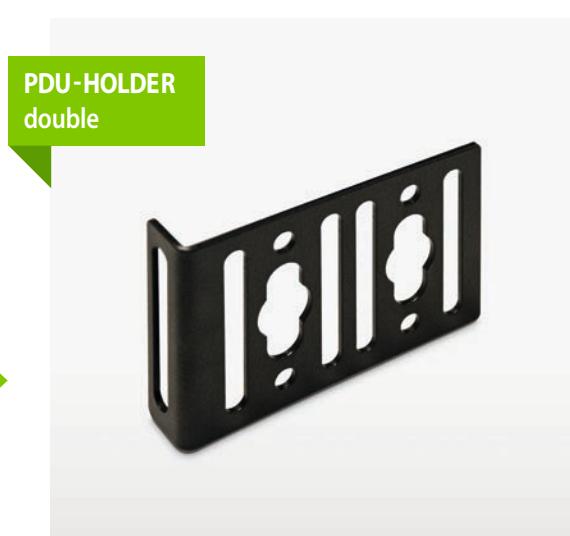
Vertical cable management.



The vertical cable management is secured to the 19" profiles on the right and/or left. The modular design consisting of three modules, each with their own cover and quick fasteners, ensures access is possible at all times.

Cables can be fed in or out on both sides and at the rear. Each individual side opening has its own edge protection to protect the cables. The side wall can be sealed by a brush bar.

To attach one or more socket strips (PDUs – Power Distribution Units), two types of PDU holders are available. These are supplied in sets. The single holder takes one socket strip, the double variant has space for two socket strips next to one another, e.g. for A/B-supply.



The PDU holders can be mounted anywhere and in any position on the profile frame or laterally on 19" profiles.



Request advice!

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a server rack or do you have
questions about our products?

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Maximum freedom.

Whether cable clamping in any position, the assembly of accessories or attachment of additional installation parts, multifunction rails are the ideal solution in many situations. Due to the symmetry of the profile frame and the all-side surrounding grid holes, the multifunction rails can be mounted in any position – even crosswise in the rack.



The simultaneous and collision-free mounting of horizontal and vertical multifunction rails is possible thanks to the double row of grid holes in the frame.



Depth rails and vertical middle profiles provide additional stability. Depth rail sets are used to make the 19" profiles more rigid. The depth rails are securely mounted to the profile frame and then connected to the 19" profiles via short cross-pieces.

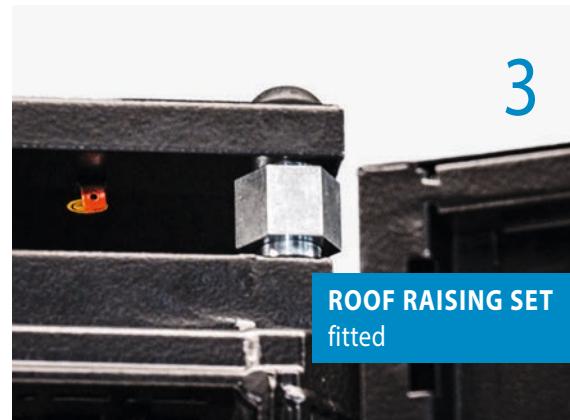
The vertical middle profiles stabilise extremely heavy devices such as servers or UPS systems. They are placed between the front and rear 19" level and also supported by a short cross-piece on the depth rail.

1

SIDE COVER
without openings

1

SIDE COVER with
3 x 19" openings

**2****3**

Intelligent accessories.

1 Side covers

Can it be a few height units more? The side covers for 800 mm wide racks not only provide visual cover and air routing. The variant with 3 additional vertical openings for 19" devices also creates more space, e.g. for patch panels directly next to a switch. Brush bars seal both variants at the side.

2 Air routing top/below of the 19" level

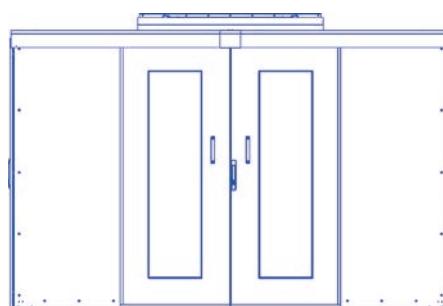
The area above and below the 19" level is isolated from the roof and bottom by brush bars. False air is prevented and the cold air performs its duties where it is meant to: on the devices.

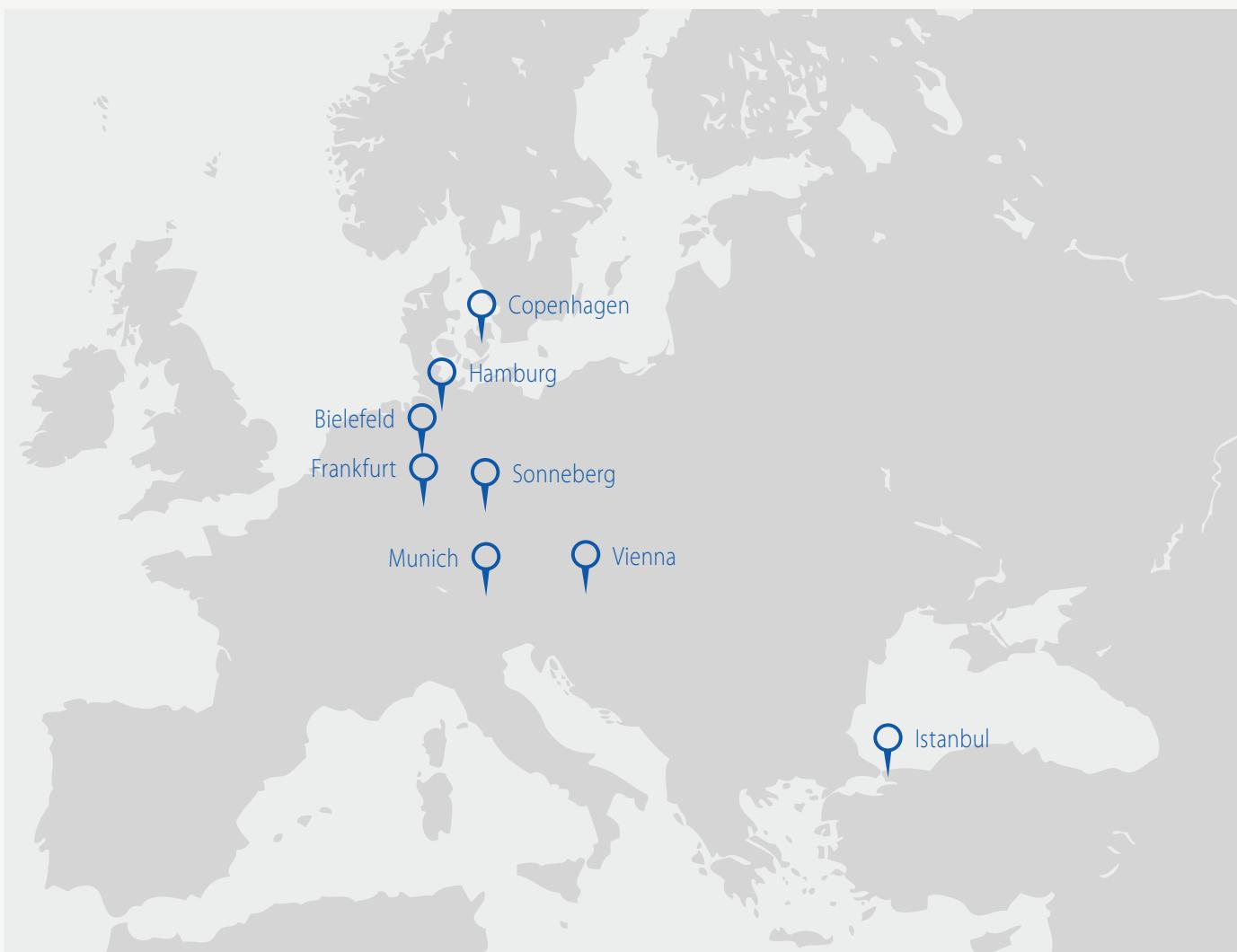
3 Roof raising set

For optimum airflow, the roof of the INFRALAN® System Rack can be raised by 40 mm. The spacer bolts are simply screwed to the profile frame and the roof is put back in position.

4 Cold-/warm aisle enclosures

Components for professional enclosure in the data centre can be individually configured. Get in touch with us!





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