InstaRack™ Server

Ready-to-assemble Server Rack

New modular rack enclosure optimized for fast assembly, easy installation and simplified cabling and maximum air flow circulation.



Emerson Network Power's new **InstaRack Server** is designed to meet your server rack enclosure needs, offering all of the advantages of an easy to install and cost-effective modular solution. This ready-to-assemble rack enclosure offers stability with an 800 kg load carrying capacity, with perforated front and rear doors for maximum air flow. Perforated front and rear doors enable maximum air flow circulation.

The standard **InstaRack Server** rack features:



Flat Pack – InstaRack Server's intelligent design
allows for flat packaging, reducing transportation and storage costs while simplifying assembly in areas with restricted access.



Easy Access
Vertically separated side panels provide fast and simple access to installed server equipment.



Load Capacity
The stable 19" frame allows for loads of up to 800 kg to be installed.



Optimized Airflow
Its large perforated surface optimizes air ventilation for single components either in a single rack or in rows of racks. Maximum air flow of 83%.



Flexible Cabling
Frameless architecture eliminates the need for cable threading allowing for optimal cable management.



Tool-less Installation
No need for tools when installing Rack-PDU MPH2 and vertical side panels.



InstaRack Server comes complete with a comprehensive range of easy-fit accessories including:

- Cold-warm partition
- C profile rails
- Rack connectors
- Base plate
- Rollers
- Base support for roof cabling

InstaRack Server is available in 12 standard size options in order to accommodate all your rack-mount server equipment and adapt to various requirements.

Rack Type	DxWxH (mm)	Rack Type	DxWxH (mm)	Rack Type	DxWxH (mm)	Rack Type	DxWxH (mm)
1	800 x 2000 x 1000	**4**	800 x 2200 x 1000	**7**	600 x 2000 x 1000	**10**	600 x 2200 x 1000
2	800 x 2000 x 1100	**5**	800 x 2200 x 1100	**8**	600 x 2000 x 1100	**11**	600 x 2200 x 1100
3	800 x 2000 x 1200	**6**	800 x 2200 x 1200	**9**	600 x 2000 x 1200	**12**	600 x 2200 x 1200

EMERSON™
Network Power

InstaRack™ Server

Ready-to-assemble Server Rack

Flexible Cabling
The 800 mm wide universal top cover features cable entry points at the front, rear and sides for flexible and simplified cable management. Additional side openings allow cables to be easily routed between the 19" level and side panel. Brush strips for sealing the cable entry points are available as accessories.

Ventilation
The opening in the top cover used to install a CoolBlast® ventilation unit can be removed at any point. This allows a 3-fold thermostatically regulated or RPM-regulated CoolBlast to be installed.
A fan guard can also be installed above the CoolBlast ventilation unit.

Fast Assembly
InstaRack Server comprises only a small number of parts and identical screw connections, allowing fast and easy assembly while providing a high degree of stability.

Load Rating
InstaRack Server features a stable 19" frame that can securely carry loads up to 800 kg.
A 12.5 mm grid in the front jumpering area and the insertion depth area allows 19" frames to be adapted to suit customers' requirements.

Easy Access
Side panels can be easily mounted and locked without using tools. Front and rear doors feature same closure types.
Racks deeper than 1,000 mm have side panels formed by two parts ensuring optimum vertical access and minimum packing volume (800 mm flat pack maximum width).

Technical Details
- 19" server rack featuring IP20 protection class
- Steel construction design with removable side panels
- Perforated single-leaf steel sheet door at the front and perforated double-leaf steel sheet door at the back.
- Special 19" profiles for mounting all standard 19" components.
- Large floor clearance
- Cable entry via bottom and top
- Break-out openings for cable entry and fans are positioned in the top cover of the InstaRack Server.

Rack PDUs
All rack PDUs and MPH2™ in particular can be easily and securely integrated into the InstaRack Server to create more space for fixtures.

Rack Base
InstaRack Server features an open base, guaranteeing maximum cooling air flow and easy cable management. The base can be sealed using an additional cover. Cabling can be run either in front of or behind the 19" unit.

Leveling Feet, Rollers
The server rack comes with leveling feet which can also be fitted with rollers (accessories).

Grounding
Grounding is available as an accessory and can be ordered if required. The grounding is installed safely in compliance with the applicable standard.

InstaRack™ Air Partition
The cold/warm area partition can be rapidly and easily fitted into the InstaRack Server at a later date. The partition is available either with enclosed lateral screens or with 3 x 1 HE break-outs with a cover. The partition is sealed to the side panel using a foam element. The air partition is fitted to the 19" frame and can be pushed lower at 12.5 mm intervals.

Flat Pack Delivery
- Two 19" frames with a hole grid
- Four depth braces
- Eight 19" brackets (on 800 width model)
- Four two-piece side panels (for 1,000 mm depth and greater)
- A perforated single-leaf steel sheet door at the front
- A perforated double-leaf steel sheet door at the back
- A top cover with perforations for cable entry and CoolBlast unit
- One accessory kit of assembly material
- Assembly instructions enclosed.

Accessories
- Brush strip for break-outs
- Base plate
- Rollers
- Air partition
- Rack coupling chains
- C profile rails
- Base support for roof cabling.

Color
Visible surfaces, linings, 19" frame, depth braces and 19" brackets are painted in RAL7021 dark gray.

Material/Finish
- Basic rack, depth braces, doors and side panels: powder-coated sheet metal
- 19" profiles, 2.0 mm sheet metal, coated.

Tests
Safety grounding in compliance with VDE 0100 T 540.

Locations

Emerson Network Power
Global Headquarters
1050 Dearborn Drive
P.O. Box 29186
Columbus, OH 43229, USA
T +1 614 8880246

Emerson Network Power
Europe Middle East And Africa
Mariakirchener Strasse 38
94424 Arnstorf
Germany
T +49 8723 27 0
F +49 8723 27 154
knuerr@emerson.com

Emerson Network Power
United Kingdom
George Curl Way
Southampton
SO18 2RY, UK
T +44 (0)23 8061 0311
F +44(0)23 8061 0852

Globe Park
Fourth Avenue
Marlow Bucks, SL7 1YG
Tel: +44 1628 403200
Fax: +44 1628 403203
UK.Enquiries@Emerson.com

While every precaution has been taken to ensure accuracy and completeness herein, Emerson assumes no responsibility, and disclaims all liability, for damages resulting from use of this information or for any errors or omissions.
Specifications subject to change without notice.

Follow us on Social Media:

Emerson. Consider it Solved, InstaRack, and Emerson Network Power are trademarks of Emerson Electric Co. or one of its affiliated companies. All the other marks are the property of their respective owners.
©2014 Emerson Electric Co.
MKA4L0UKINSTASER Rev.1-11/2014