

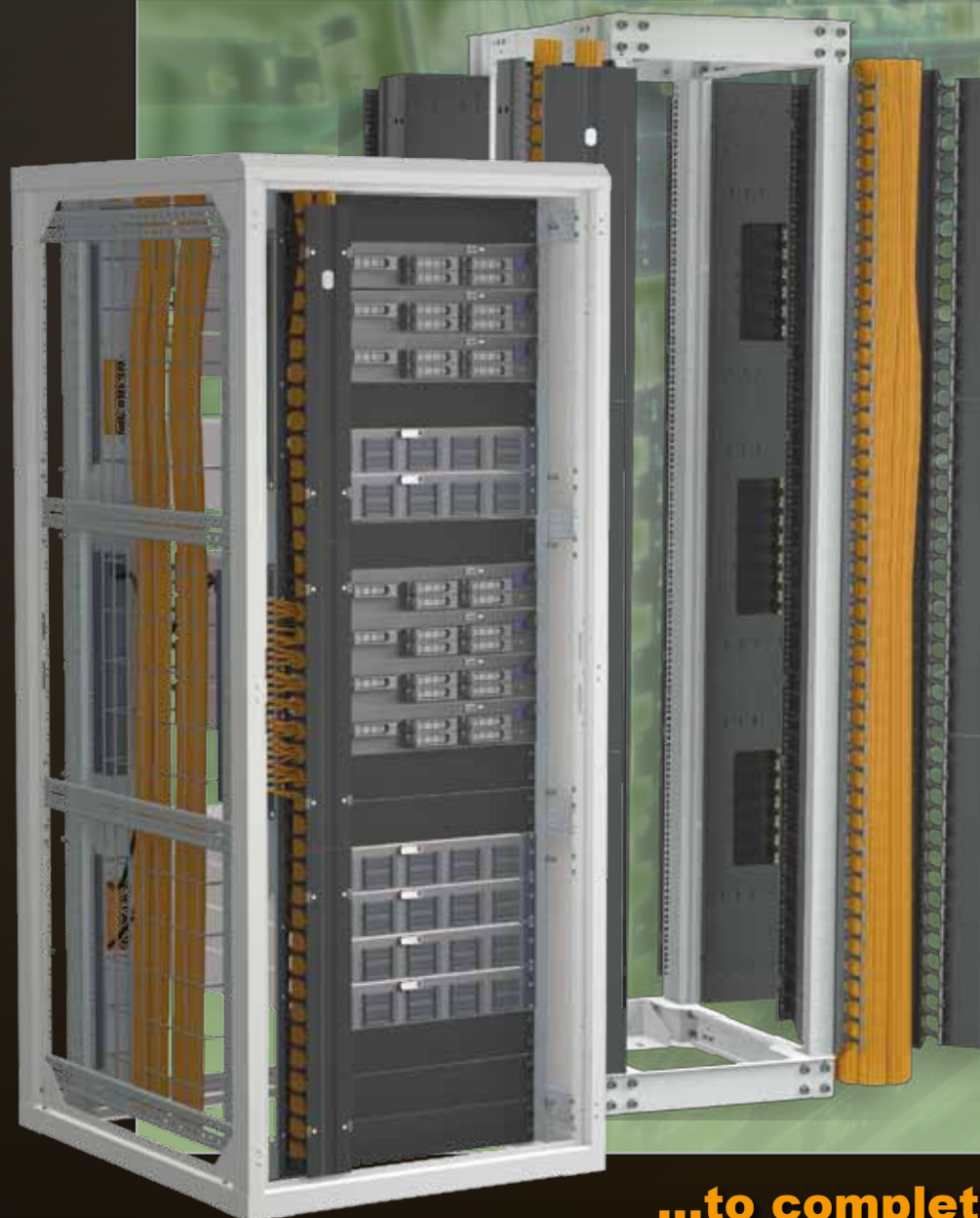
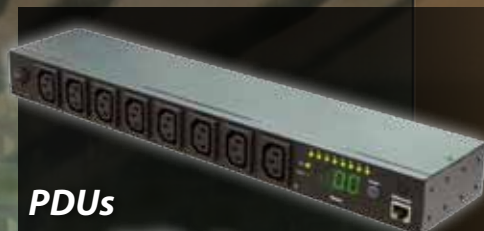


2011
English version

Data & Telecommunications Solutions and racks

- New products
- Total solutions:

Racks and cabinets
Complementary products
Data Center solutions



PDUs



Optiway



**Wall-mount
racks**



**Cooling
units**



HDWM



Aegis DCIM

CONTEG product catalog selection

...to complete your network

CONTEG ... to complete your network

CONTEG is a manufacturer of a wide range of data and communication cabinets and racks which fulfill the needs of even the most demanding users. Our solutions include not only free-standing and wall-mounting racks but also a comprehensive range of accessories, sophisticated data center products and value-added services.

Feedback from our distribution partners in more than 50 countries across the world indicates that the quality and evolution of CONTEG solutions is highly valued. We believe that the CONTEG logo can stand up to even the closest scrutiny and will satisfy the most experienced and demanding client.

Vojtech Volacek, Sales Director

We follow the latest trends in IT market

CONTEG, as well as its team of experts is a member of prestigious associations.

Bicsi

BICSI is a professional association supporting the information technology systems (ITS) industry. Credential holders are required to have industry experience and pass rigorous exams based on the content of BICSI manuals.



The Green Grid

The Green Grid is a non-profit, open industry consortium of end-users, policy-makers, technology providers, facility architects, and utility companies collaborating to improve the resource efficiency of data centers and business computing ecosystems. The Green Grid seeks to unite global industry efforts, create a common set of metrics, and develop technical resources.



Our professionals have achieved certification of global importance:

CDCDP

The Certified Data Centre Design Professional™ qualification brings together the essential components of proficiency to independently certify that an individual is professional, highly skilled, knowledgeable and more than an expert; a qualified person compliant with a contemporary standards and European code of conduct visualization of what is required to create preeminent Data Centers and best practice to manage and maintain them.



RCDD

The Registered Communications Distribution Designer (RCDD) certification is globally recognized within the telecommunications industry, as a designation of the exceptional qualifications and expertise of the individual, in the design, integration and implementation of telecommunications systems and their related infrastructure components.



QUALITY AND ENVIRONMENTAL COMMITMENTS

CONTEG, spol. s r.o. has TÜV certificates for its products and acts according to strict ISO 9001 quality & ISO 14001 environment protection requirements.

WARRANTY

CONTEG, spol. s r.o. provides 24 month warranty on all products unless otherwise stated.





New CONTEG products and services

:: Intelligent PDU

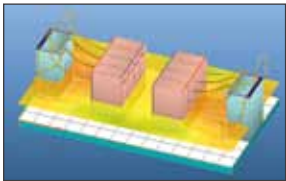
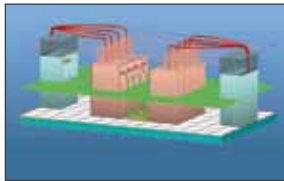
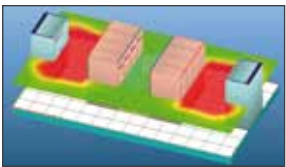
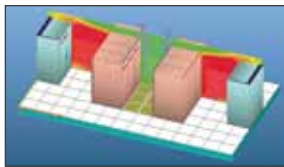
The range comprises power strips which feature either no intelligence (Basic), the ability to remotely monitor current draw using True RMS ammeter and Ethernet/IP interface (Monitored range) or the ability to fully manage power strips and groups of power strips across the network (Managed range).



see page 18

:: CONTEG CFD Modeling

Computational Fluid Dynamics (CFD) modeling is a technical service designed to provide the detailed data to assess and track the temperature and air flow within your existing or proposed data center, server room or main equipment room.



:: Aegis DCIM

Aegis Data Center Infrastructure Management (DCIM) is a complete monitoring application for managing the entire data center infrastructure.

- PUE, EUE, EER metric
- Alarming
- Monitoring
- Reporting



NEW services!!!

:: PREMIUM rack series RSF, RDF, RSB, RHF

PREMIUM racks are a group of top solution with high performance and are a choice for discerning customers. The RSB collocation rack racks are found in many data centers and therefore rightfully belongs to the PREMIUM racks series. Of note also is a new SERVER and CABLING racks RSF and RDF. More information can be found on page 4 of this catalog or on the website.

see page 4



Complete portfolio, comprehensive solution - Products CONTEG

At the beginning of the year a new CONTEG product catalog was issued. The catalog includes a detailed overview of the product portfolio, supplemented by a number of innovations.

Download CONTEG product catalog at www.conteg.com or contact our sales department.

NEW PRODUCT CATALOG



PREMIUM RACK SERIES

We have embodied all the traditional requests of users into the PREMIUM rack series design and made it the TOP rack series among the CONTEG rack portfolio. With PREMIUM racks the variability acquires a new dimension – only the frame remains the same. All other parts – 19" extrusions, top and bottom plates, front and rear doors or panels, locks, side panels, foot or plinth – can be defined by you. A wide portfolio of all the mentioned parts is ready to be applied so an individual rack, meeting the most demanding requirements of data center and server rooms. Although the main design features remain the same, three configurations according to specific user needs have been pre-designed.

RHF SERIES 19" HIGH LOAD RACKS

The RHF rack is designed to cope with the increased loads of today's IT equipment within the data center, equipment room and network or telecommunications closet. The RHF's ultra heavy duty, all welded



Ultra heavy duty design of 19" vertical extrusion results into RHF's load rating 1500kg



RHF's design will perfectly fit even in a row of cabling (RDF) or server (RSF) racks

construction and 1500kg load rating mean that it's possible to accommodate the heaviest equipment within a standard rack footprint.

RDF SERIES 19" CABLING RACKS

The RDF rack is designed as a dedicated cabling cabinet and is intended to be used in data centers, equipment rooms and network or telecommunication closets. Moreover, RDF's fully compatible with all cooling units from the Targeted Cooling portfolio and is recommended to be used together with top and wall mount A/C units. We have developed special cabling systems like High Density Wire Management and optical pathway system OptiWay hand-in-hand with this PREMIUM rack series configuration. We strongly recommend you combine RDF rack series with both the mentioned cabling systems to give your cables the best possible support and care. For more information about cabling systems go to page 6.



RSF SERIES 19" SERVER RACKS

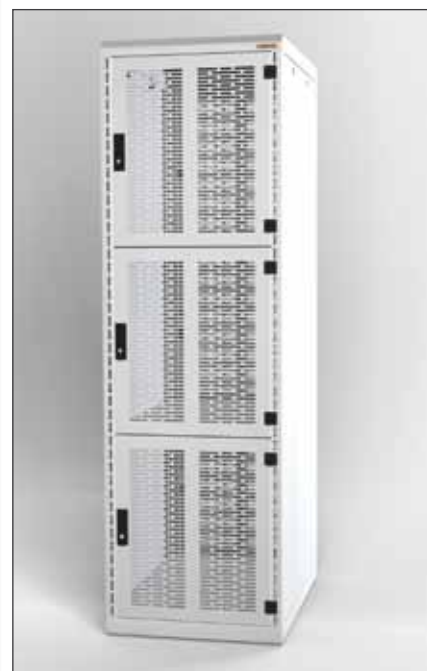


Rear pair of 19" extrusions is vertically divided to enable variable depth settings according to different server depths

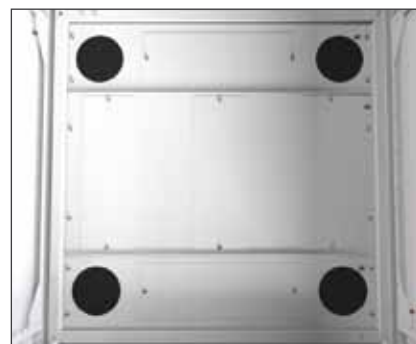
The RSF rack is designed as a dedicated server cabinet and is intended to be used in data centers, equipment rooms and network or telecommunication closets. The RSF's heavy duty, all welded construction and 1000kg load rating mean that it's possible to accommodate the heavy equipment within a standard rack footprint. A full range of complementary systems, like Intelligent Power PDUs, is ready to be used together with RSF racks to make the housing of your servers even more safe and comfortable.

RSB SERIES 19" SERVER HOUSING RACKS

The RSB series racks are designed for operation in server housing and co-location centers where they can be deployed as stand alone or in rows. The rack is available in a 2-4 section design. The



compartments are individually lockable and separated by perforated high-load shelves. Moreover, the rack can be equipped with individually adjustable 19" extrusions (must be ordered separately). All types of 19" active or passive equipment can be housed inside.



Interchangeable top and bottom plates in various design options provide a unique interface between in-rack and out-of-rack cabling systems (illustrative image only)



RSF series 19" server racks

The RSF rack is designed as a pure server cabinet and is intended to be used in data centers, equipment rooms and network or telecommunication closets. The RSF's heavy duty, all welded construction and 1000kg load rating mean that it's possible to accommodate the heavy equipment within a standard rack footprint. The RSF comes with the full range of doors, panels and locks. Available in various heights and depths the RSF is designed to work with CONTEG's air-flow optimization solutions and flexible cable management which means that the RSF can be tailored to suit your needs. The RSF can be completed with many complementary systems (e.g. Intelligent Power PDUs – see page 18) so housing your servers can become even safer and more comfortable.

DESCRIPTION:

Sizes

- Height: 27, 42, 45, 48U
- Width: 600, 800mm
- Depth: 800, 1000, 1200mm (1200mm not available for 27U)

Construction

- Welded frame construction
- 1.5 & 2.0mm sheet steel

Load rating

- 1000kg balanced load (800kg for 27U only)

19" vertical extrusions

- 2 pairs of sliding 19" vertical L-type extrusions (600mm) or P-type (800mm) extrusions (extends installation height of the rack for 12U – valid for racks 42U and higher)
- Rear pair of vertical extrusions is divided in up to 3 parts (according to rack's height) for individual settings according to server depth

IP rating

- Standard IP20
- IP40 when solid doors or panels applied
- Optionally up to IP54
- A/C ready – IP54 when A/C unit installed

Colors

- Standard RAL 7035 and 9005
- Optionally other colors

Front door

- Vented door – perforation rate 83%
- Swivel handle lock – DIN profile, universal key 333, multipoint; optionally half profile cylinder or combination lock single or multipoint (other locks on request)
- Door opening angle 180°
- Easy re-hanging to open on right or left
- Optionally glass, steel, perforated, glass with perforation, vertically divided door

Rear door

- Vented door – perforation rate 83%
- Swivel handle lock – DIN profile, universal key 333, multipoint; optionally half profile cylinder or combination lock single or multipoint (other locks on request)
- Optionally can be replaced by full range of front doors and panels

Side panels

- Removable with locks

Top plate

- Single-piece design, removable
- 4" (100mm) rounded cable entry in every corner covered by plastic cap
- 300x100mm cable entries covered with removable sheet steel blank panels

Bottom plate

- Segmented design, removable
- 4" (100mm) rounded cable entry in every corner covered by plastic caps
- 300x100mm cable entries covered with removable sheets steel blank panels

Feet

- Adjustable feet as standard; plinth or plinth with filter optionally

Adaptation

- Possibility to adapt for installation of 21" equipment (on request)
- Adaptor DP-RE-01 needed (ordered separately)

Other

- Racks can be installed in blocks by using DP-DR-UNI (ordered separately)
- A/C & cooling units compatible
- GND/earthing kit included



RSF-42-80/80

Color sampler:

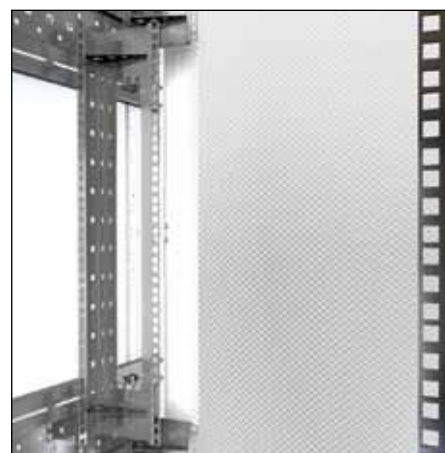
RAL 9005

RAL 7035

**BEST RACK IN
CLASS**

product	code
19" server racks RSF series *	
RSF 42U, width 800mm, depth 1200mm	RSF-42-80/120
RSF 45U, width 800mm, depth 1200mm	RSF-45-80/120
RSF 48U, width 800mm, depth 1200mm	RSF-48-80/120

* for more variation and information about RSF racks please visit www.conteg.com



High Density Wire Managers

The new range of High Density Wire Managers from CONTEG ensures that cabling can be properly managed whilst maintaining bend radii for today's high speed data cabling and helping to optimize network throughput.

- Made of high quality materials
- Ease of use - cover can be opened to the right, to the left or completely removed to get unhindered access
- Fully compatible with RSF, RDF, RHF, ROF, RMF racks and RSG2, RSG4 frames
- Comprehensive solution with excellent design
- Available in horizontal and vertical configurations
- Effective bend radius management
- Vertical managers for racks (VMR series) can be used only in racks 800mm width

Optimize your cable management with HDWM

cable fill calculator available on www.conteg.com

OptiWay - Optical pathway system

OptiWay is designed to provide a safe, easy to use and cost effective management system for your fragile optical cables. OptiWay allows you to route fiber optic cables among equipment and provides the physical protection and bend radius management that is crucial to optical cable performance.

- Designed for fiber-optical cables and high density structured networks
- Flame retardant and halogen-free material
- Solution intended for data centers
- Fully modular and flexible system

OPTIWAY®



19" distribution racks ROF series

The ROF rack is designed to cope with the demanding needs of IT equipment within the data center, equipment room and network or telecommunications closet. The ROF's flexible configuration options mean that it's easy to tailor the solution to your exact requirements. Various height, depth and width options, along with load rating of up to 500kg, air-flow optimization solutions and flexible cable management mean that it has never been simpler to custom configure a cabinet that meets your requirements.

- Height: 15 - 48U
- Width: 600 or 800mm
- Depth: 600, 800, 1000 or 1200mm
- Load rating: 300kg (15-33U), 400kg (36U), 500kg (42-48U)
- IP rating: standard IP30, optionally IP54; using perforated door results in IP20
- Frame construction: 1.5mm, 2mm sheet steel

Equipment:

- Wide variety of doors: tinted security glass door, optionally steel, perforated steel, vented (perforation rate 83%), vertically divided doors etc.
- Front door with swivel handle lock, optionally cylinder or combination lock, other locks on request
- Removable real panel with module for cable entry, optionally can be replaced by full range of doors
- Removable side panels with lock, easy access to installed devices
- Top, bottom, and rear openings for cable entry, covered by removable blank panels
- Top and bottom openings for ventilation units covered with blank panels
- 2 pairs of sliding 19" vertical extrusions; marking of height units on vertical extrusions
- GND/earthing kit
- Compatible with all of the CONTEG original accessories

Standard configuration:

2 pairs of 19" sliding vertical extrusions, 1 pair of side panels with lock, tinted security glass front door (EN 12150-1) with swivel handle lock, rear panel with module for cable entry, 4 adjustable feet, GND/earthing kit, 28 mounting kit, allen key, door positioning wedges

product	code *
19" distribution racks ROF series	
ROF 21U, width 600mm, depth 600mm	ROF-21-60/60
ROF 27U, width 600mm, depth 600mm	ROF-27-60/60
ROF 33U, width 600mm, depth 600mm	ROF-33-60/60
ROF 42U, width 600mm, depth 600mm	ROF-42-60/60
ROF 21U, width 600mm, depth 800mm	ROF-21-60/80
ROF 27U, width 600mm, depth 800mm	ROF-27-60/80
ROF 33U, width 600mm, depth 800mm	ROF-33-60/80
ROF 42U, width 600mm, depth 800mm	ROF-42-60/80
ROF 42U, width 600mm, depth 1000mm	ROF-42-60/100
ROF 21U, width 800mm, depth 800mm	ROF-21-80/80
ROF 27U, width 800mm, depth 800mm	ROF-27-80/80
ROF 33U, width 800mm, depth 800mm	ROF-33-80/80
ROF 42U, width 800mm, depth 800mm	ROF-42-80/80
ROF 42U, width 800mm, depth 1000mm	ROF-42-80/100

* For ROF rack in light grey (RAL 7035) simply add **-B** to the code
For ROF rack in black (RAL 9005) simply add **-H** to the code

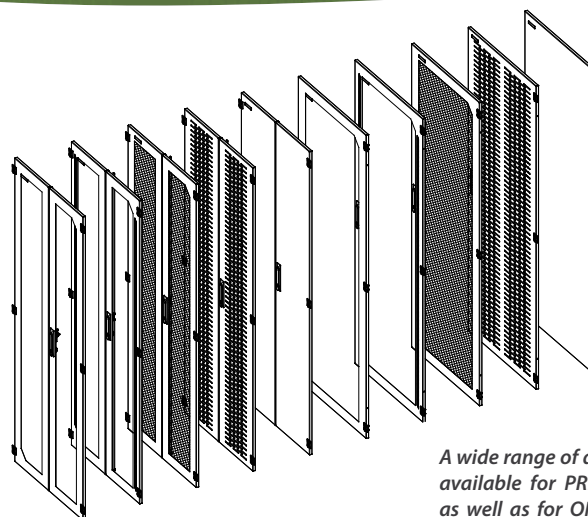


Load rating up to 500kg is sufficient for most applications that may be considered



ROF-42-80/80

For UNASSEMBLED rack with these options please refer to RMF rack at www.conteg.com



A wide range of doors is available for PREMIUM as well as for OPTIMAL rack series

OPTIMAL RACK SERIES - ROF rack family - flexibility and variability

19" distribution racks iSEVEN series

The iSEVEN 19" rack has been designed to provide the user with an unmatched ratio between price, utility value and quality. This rack is the ideal choice for installers and end users who want to spend less time on choosing between various options and configuring difficult product part numbers. After thorough research, we have prepared a portfolio of the most common dimensions together with one universal design.

- Height: 21, 27, 42, and 45U
- Width: 600 and 800mm
- Depth: 600, 800 a 1000mm
- Frame construction: 1.5mm sheet steel
- Load rating: max. 300kg (21, 27U) or 400kg (42, 45U) balanced load
- Color powder coated RAL (standard RAL 7035 or 9005)

**BEST VALUE
FOR MONEY**

Equipment:

- Front glass door with swivel handle lock or optional sheet steel door
- Easy re-hanging to open on right or left
- Removable side panels with lock, easy access to installed devices
- Rear panel with knock-out cable entry and lock
- 19" vertical extrusions marked with U positions
- Top, bottom, and rear knock-out openings for cable entry (300x100mm); can be covered with removable blank panels (ordered separately)
- Top and bottom openings for ventilation units covered with removable blank panels
- Compatible with most of the CONTEG original accessories

Standard configuration:

Frame of rack, 2 pairs of 19" sliding vertical extrusions, 2 or 3 pairs of vertical extrusions' holders, front door with swivel handle lock and safety glass (EN 12150-1), removable rear panel with knock-out cable entry and lock, 1 pair of sheet steel side panels with locks, 4 adjustable feet, GND/earthing kit, 28 mounting kits.

Color sampler:

RAL 9005

RAL 7035

product	code	
19" distribution racks iSEVEN series 600x600mm	light gray	black
iSEVEN 21U, width 600mm, depth 600mm	RI7-21-60/60-B	RI7-21-60/60-H
iSEVEN 27U, width 600mm, depth 600mm	RI7-27-60/60-B	RI7-27-60/60-H
iSEVEN 42U, width 600mm, depth 600mm	RI7-42-60/60-B	RI7-42-60/60-H
iSEVEN 45U, width 600mm, depth 600mm	RI7-45-60/60-B	RI7-45-60/60-H

19" distribution racks iSEVEN series 600x800mm		
iSEVEN 21U, width 600mm, depth 800mm	RI7-21-60/80-B	RI7-21-60/80-H
iSEVEN 27U, width 600mm, depth 800mm	RI7-27-60/80-B	RI7-27-60/80-H
iSEVEN 42U, width 600mm, depth 800mm	RI7-42-60/80-B	RI7-42-60/80-H
iSEVEN 45U, width 600mm, depth 800mm	RI7-45-60/80-B	RI7-45-60/80-H

19" distribution racks iSEVEN series 600x1000mm		
iSEVEN 27U, width 600mm, depth 1000mm	RI7-27-60/100-B	RI7-27-60/100-H
iSEVEN 42U, width 600mm, depth 1000mm	RI7-42-60/100-B	RI7-42-60/100-H

19" distribution racks iSEVEN series 800x800mm		
iSEVEN 27U, width 800mm, depth 800mm	RI7-27-80/80-B	RI7-27-80/80-H
iSEVEN 42U, width 800mm, depth 800mm	RI7-42-80/80-B	RI7-42-80/80-H
iSEVEN 45U, width 800mm, depth 800mm	RI7-45-80/80-B	RI7-45-80/80-H

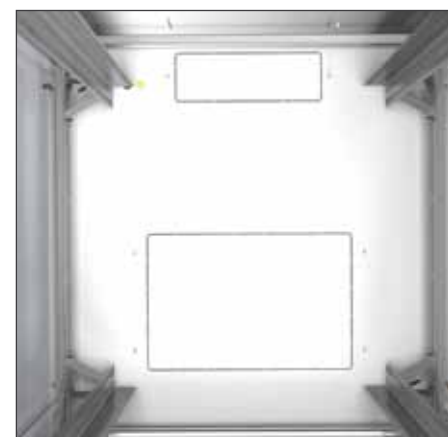
19" distribution racks iSEVEN series 800x1000mm		
iSEVEN 27U, width 800mm, depth 1000mm	RI7-27-80/100-B	RI7-27-80/100-H
iSEVEN 42U, width 800mm, depth 1000mm	RI7-42-80/100-B	RI7-42-80/100-H
iSEVEN 45U, width 800mm, depth 1000mm	RI7-45-80/100-B	RI7-45-80/100-H



RI7-42-60/60-B



Top frame is perforated to support the air circulation. The frame is based on four stable columns of high-quality sheet steel



SEVEN racks are equipped with knock-out cable openings



19" distribution unassembled racks mSEVEN series

The mSEVEN racks have been designed for users whose space constraints along the access path do not allow the installation of rack series iSEVEN (R17), which has welded construction and is known for its unmatched ratio between price, utility value and quality. The mSEVEN racks are delivered unassembled for an easy transportation to the installation site where they can be built quickly and easily.

- Easy transport = delivered in 4-5 carton boxes
- Unmatched ratio between price, utility value and quality
- Height: 21, 27, 42, 45U
- Width: 600 and 800mm
- Depth: 600, 800 and 1000mm
- IP rating: IP30
- Load rating: max. 300kg (21, 27U) or 400kg (42, 45U) balanced load

Equipment:

- Front glass door with swivel handle lock or optional sheet steel door
- Easy re-hanging to open on right or left
- Removable side panels with lock, easy access to installed devices
- Rear panel with knock-out cable entry and lock
- 19" vertical extrusions marked with U positions
- Top, bottom, and rear knock-out openings for cable entry (300x100mm); can be covered with removable blank panels (ordered separately)
- Top and bottom openings for ventilation units covered with removable blank panels
- Compatible with most of the CONTEG original accessories

Standard configuration:

Top and bottom covers, 4 columns, 2 pairs of 19" sliding vertical extrusions, 2 or 3 pairs of vertical extrusions' holders, front door with swivel handle lock and safety glass (EN 12150-1), removable rear panel with knock-out cable entry and lock, 1 pair of sheet steel side panels with locks, 4 adjustable feet, GND/earthing kit, 28 mounting kits.

product	code	
19" distribution racks mSEVEN series 600x600mm	light gray	black
mSEVEN 21U, width 600mm, depth 600mm	RM7-21-60/60-B	RM7-21-60/60-H
mSEVEN 27U, width 600mm, depth 600mm	RM7-27-60/60-B	RM7-27-60/60-H
mSEVEN 42U, width 600mm, depth 600mm	RM7-42-60/60-B	RM7-42-60/60-H
mSEVEN 45U, width 600mm, depth 600mm	RM7-45-60/60-B	RM7-45-60/60-H

19" distribution racks mSEVEN series 600x800mm		
mSEVEN 21U, width 600mm, depth 800mm	RM7-21-60/80-B	RM7-21-60/80-H
mSEVEN 27U, width 600mm, depth 800mm	RM7-27-60/80-B	RM7-27-60/80-H
mSEVEN 42U, width 600mm, depth 800mm	RM7-42-60/80-B	RM7-42-60/80-H
mSEVEN 46U, width 600mm, depth 800mm	RM7-45-60/80-B	RM7-45-60/80-H

19" distribution racks mSEVEN series 600x1000mm		
mSEVEN 27U, width 600mm, depth 1000mm	RM7-27-60/100-B	RM7-27-60/100-H
mSEVEN 42U, width 600mm, depth 1000mm	RM7-42-60/100-B	RM7-42-60/100-H

19" distribution racks mSEVEN series 800x800mm		
mSEVEN 27U, width 800mm, depth 800mm	RM7-27-80/80-B	RM7-27-80/80-H
mSEVEN 42U, width 800mm, depth 800mm	RM7-42-80/80-B	RM7-42-80/80-H
mSEVEN 45U, width 800mm, depth 800mm	RM7-45-80/80-B	RM7-45-80/80-H

19" distribution racks mSEVEN series 800x1000mm		
mSEVEN 27U, width 800mm, depth 1000mm	RM7-27-80/100-B	RM7-27-80/100-H
mSEVEN 42U, width 800mm, depth 1000mm	RM7-42-80/100-B	RM7-42-80/100-H
mSEVEN 45U, width 800mm, depth 1000mm	RM7-45-80/100-B	RM7-45-80/100-H

FLAT-PACKED!



RM7-42-60/100-B

Color sampler:

RAL 9005

RAL 7035



Transportation friendly – RM7 is packed in carton boxes and its installation is easy and fast (Illustrative image only)



When mounted according to instructions, RM7 achieves the same load rating and frame rigidity as R17

SEVEN RACK SERIES - unassembled free-standing racks mSEVEN - for everyday use

Total Solutions for Data Centers

CONTEG has developed a comprehensive range of products and technologies for data centers and server rooms which include a wide range of high quality racks, frames, cable management products as well as monitoring, managing and fire extinguishing solutions to ensure that your equipment remains in a stable and safe operating environment and your network cabling is adequately protected.

CONTAINED AISLE

One of the potential drawbacks with the Hot/Cold aisle approach is the possibility of warm air recirculation. With CONTEG Cold Aisle Containment Solution, the modular containment system is used to physically separate cooled air from hot exhaust by forming a cold plenum space and preventing mixing of hot and cold air, thereby eliminating hot-spots. The cool air is led into the contained aisle through perforated tiles from the raised floor plenum or produced locally by CONTEG side cooling units which are installed as an integral part of the aisle.



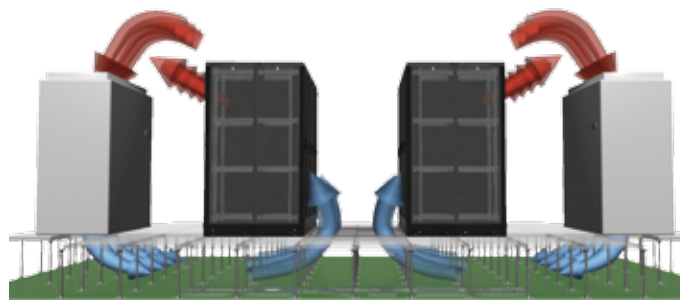
www.conteg.com/contained-aisle

Modular Contained Aisle system is available upon request. This system is the ideal solution when a row of racks with different heights or even with gaps because of missing racks is required to be contained. The system is based on self-supporting construction with clear polycarbonate panels on the top of the roof. Vertical side sections of the roof feature PVC foil strips, which can be easily cut to the required length. Flexible Contained Aisle can work with standard aisle door or with PVC foil strips.



HOT COLD AISLE

The Hot / Cold Aisle approach is considered to be the "norm" for data center designs. Racks are aligned front to front and cold air is delivered using the raised floor as a cold air handling space (plenum). The ANSI/TIA/ EIA-942-A (data center) standard recommends a cold aisle width of 1.2 metres (which is equivalent to two floor tiles) to allow a perforated tile to be placed in front of each cabinet which allows for cold air to be delivered to the cabinet front.



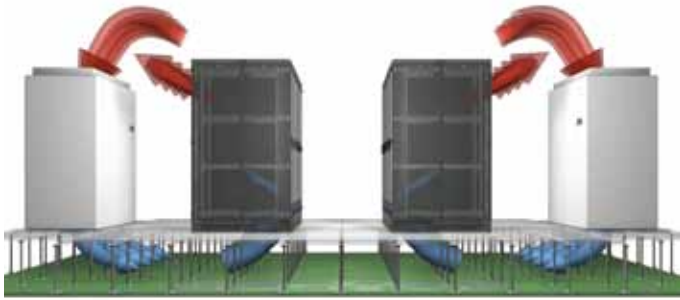
www.conteg.com/hot-cold-aisle

PLENUM FEED WITH ROOM RETURN

This solution optimizes the use of cooled air by directing the cooled air directly from the raised floor to the equipment within the rack. The rack sits onto a special positioning welded frame which replaces a standard 600 x 600 floor tile. A deflector located in the bottom of the rack directs the cold air to the front of the rack to be drawn through the equipment mounted inside. Cold air is kept within the rack by a solid front door and hot exhaust air is rejected into the room through a super-vented rear door ensuring that cold supply and hot exhaust air-streams remain separated leading to more efficient use of the cooled air and elimination of hot spots.

Installation examples



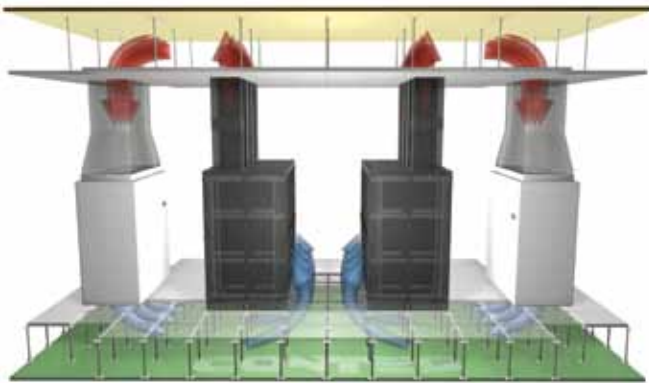


www.conteg.com/plenum-feed-with-room-return

ROOM FEED WITH PLENUM RETURN

A potential drawback with Contained Cold Aisle and Direct Feed / Room Return technologies is that the warm exhaust air is introduced into the facility. Generally this should not pose a problem as long as the layout of the data center takes this into account. However, in certain very high density applications it may be desirable to completely separate the hot exhaust.

CONTEG's Hot Plenum Return Kit addresses this requirement by using a vertical "chimney" at the top rear of the rack directly connected to a hot plenum at ceiling height. The hot air is removed from the plenum by CRAC units, cooled again and delivered back to the room. The rack is equipped with a front super-vented door, so the cold air can easily enter the rack space, where it is sucked in by the installed equipment.



www.conteg.com/room-feed-with-plenum-return

MODULAR SIDE CLOSED LOOP SOLUTIONS

Modular Side Closed Loop architecture offers the ability to achieve up to 36kW per rack of cooling power in one specific assembly. This type of architecture can be especially useful when planning to install a few very high power racks into a facility as the racks do not release any heat out into the data center environment. It is also an ideal solution when limited rack space (for example, in a typical server room of a mid-size company) is required, but the cooling becomes an issue because of high density applications housed there.

The Side Closed Loop architecture is available in modular design, when virtually an unlimited number of racks and cooling units can be combined into a closed module. The modular design is fully flexible and accommodates any combinations of cooling units and racks to give the required levels of cooling and redundancy.

www.conteg.com/modular-side-closed-loop



Top view – air flow detail – closed air-loop architecture with side coolers



Closed air-loop
- Premium Server
racks with Side
cooling units

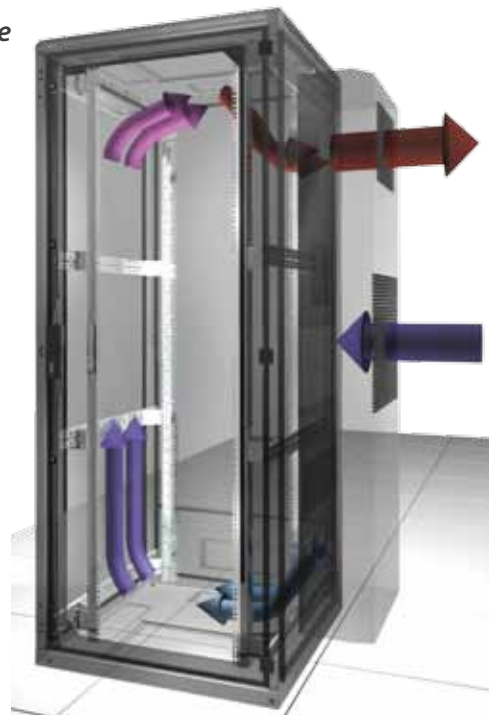


Wall Mount A/C units

The Wall Mount cooling units are installed instead of one of the rack side panels. Since it is mounted instead of the rack side panel, there is no limitation by the overhead clearance. The Wall Mount solution is a stand-alone direct expansion (DX) solution with a compressor inside which means that no additional plumbing or piping is required. These cooling units are compatible with the free standing racks, series RHF, RDF, RSF, ROF and RMF.



- Cooling output of cooling units 1.1 – 3 kW
- Compact design – coolant piping distribution systems are not necessary
- Condensate evaporation system (available in output units of 1.4 kW and more) eliminates the need of condensate drainage
- The heat exchanger surface was treated specially to provide the highest possible resistance against clogging, therefore the unit is able to operate with full output even when the ambient temperature reaches 55 °C
- The cooling system was designed for operation without filters – reducing maintenance costs
- The cooling unit has simple control as well as easy setting of the required temperature in the rack
- The electronic control panel ensures accurate control of the cooling unit in order to achieve the required climate inside the rack
- This cooling type can be installed easily even into already installed ROF racks (retrofit installation possible) – the side panel will be replaced by air-conditioning at installation; blanking panels will be installed, too. It is necessary to fulfil the condition of IP rating 54.



Air flow through the rack – wall mount cooling

Prevent problems with cooling of your ICT in advance

A/C units are ideal where ventilation units or split system installed is no longer able to adequately cool the equipment in the rack.

For more information visit www.conteg.com

Top Mount A/C units

CONTEG Top Mount solutions deliver exceptional cooling capacity without adding to the floor-area required for the rack. The Top Mount cooling solution is available in capacities ranging from 1000 Watts to 6000 Watts (approx 17.750 BTU/Hr) to give the correct required cooling without over-cooling. These cooling units are compatible with the free standing racks, series RHF, RDF, RSF. The Top Mount solution is a stand-alone direct expansion (DX) solution with a compressor inside which means that no additional plumbing or piping is required.

- Cooling output of cooling units 1 – 6 kW
- Compact design – coolant piping distribution systems are not necessary
- Condensate evaporation system (standard on units of 1.4 kW and above) eliminates the need for condensate drainage
- The triple protection system ensures condensate cannot enter rack
- The heat exchanger surface has been treated specially to provide the highest possible resistance against clogging, therefore the unit is able to operate with full output even when the ambient temperature reaches 55 °C
- The cooling system was designed for operation without filters reducing ongoing maintenance requirements
- The cooling units have easy to use electronic control boards for accurate and easy setting of the required temperature in the rack



Air flow through the rack – top mount cooling

**new A/C units with
cooling capacity system
from 1kW**



Side Mount cooling units

CONTEG Side Mount Targeted Cooling is available in both closed and open air loop configurations. The Open Architecture units can be deployed in the cabinet row to deliver cooling air directly to the cold aisle. Closed Architecture units provide the ultimate in available cooling with capacities up to 36kW.

Side Mount Cooling Units are available in Direct Expansion (DX) and Chilled Water (CW) variants. Units provide up to 36kW cooling capacity; even the most demanding computing equipment can be kept at the optimum temperature. Cooling units are plumbed to either outdoor condensers or the central chilled water systems. Top or bottom connection of pipes is available as standard.



Other cooling capacity up to 80kW upon request. Contact us for more information on this cooling solution.

OPEN AIR LOOP ARCHITECTURE

- Energy efficient cooling solution
- Ideally suited for hot/cold or contained hot and cold aisle deployments
- Possible to supplement the existing cooling system
- Wide range of cooling capacities
- Easy to meet zone cooling requirements
- Prevents over-cooling the entire facility



CLOSED AIR LOOP ARCHITECTURE

- Ideally suited for very high heat density racks
- Cooling capacity up to 36kW per rack
- Minimizing the chances of localized hot-spots
- Optimal cooling for high thermal loads
- Energy efficient cooling solution

MODULAR SIDE CLOSED LOOP

The design is fully flexible and accommodates any combinations of cooling units and racks to give the required levels of cooling and redundancy. Cool air is generated by the side mount cooling unit(s) and delivered into the cold zone at the front part of rack(s) where it is close to the equipment cooling intake.

- Fully flexible solution
- Configurable according to individual needs
- Cooling capacity up to 36kW per rack
- Available in Direct Expansion (DX) and Chilled Water (CW) variants



**For more information visit
www.conteg.com**

19" InWall / OnWall SOHO racks ACP series

The ACP products are designed for the installation of patch panels, integrated access devices, etc. and are ideally suited to residential applications where a discreet and aesthetically pleasing thin-line cabinet solution is required. The ACP racks are equipped with extrusions for active equipment installation (2U) as well as for passive elements mounting (4U) and offer a basic level of access to the equipment installed through the front door.

product	code
19" SOHO racks ACP series	
OnWall SOHO rack, (H,W,D) 550 x 530 x 155mm, 2U horizontal and 4U vertical position	ACP-OW-55/53/14
InWall SOHO rack, (H,W,D) 550 x 530 x 140mm, 2U horizontal and 4U vertical position	ACP-IW-55/53/14

Standard configuration:: 1 pair of fixed 19" vertical extrusions (4U), 1 pair of fixed 19" horizontal extrusions (2U), 1 perforated metal sheet door with lock



ACP-IW-55/53/14

Color sampler:

RAL 7035

19" wall-mount racks REN series

This economical version of the wall-mounted rack offers a basic level of access to the equipment installed, using the front door. The rack has an undivided structure and is open to the rear making it ideal for deployment where cables enter from behind the rack.

Color sampler:

RAL 7035

- Width: 530mm
- Color powder coated RAL 7035
- Door with lock and security glass
- Easy re-hanging to open on right or left
- Top and bottom knock-outs openings for cable entry
- One pair of sliding 19" vertical extrusions
- GND/earthing kit
- Load rating max. 20kg balanced load
- Protection rating IP30

product	code
19" wall mounting racks REN series	
REN 6U, (H,W,D) 332 x 530 x 300mm	REN-06-60/30
REN 6U, (H,W,D) 332 x 530 x 400mm	REN-06-60/40
REN 10U, (H,W,D) 510 x 530 x 400mm	REN-10-60/40
REN 12U, (H,W,D) 599 x 530 x 400mm	REN-12-60/40
REN 15U, (H,W,D) 732 x 530 x 400mm	REN-15-60/40
REN 6U, (H,W,D) 332 x 530 x 500mm	REN-06-60/50
REN 10U, (H,W,D) 510 x 530 x 500mm	REN-10-60/50
REN 12U, (H,W,D) 599 x 530 x 500mm	REN-12-60/50
REN 15U, (H,W,D) 732 x 530 x 500mm	REN-15-60/50



REN-06-60/40

Standard configuration:

1 pair of sliding 19" vertical extrusions, 1 door with lock and safety glass (EN 12150-1), GND/earthing kit

For all types wall mount racks visit www.conteg.com

19" wall-mount racks RUN series

The wall mounted RUN racks have extended access level to the equipment installed; with removable and lockable side panels, the equipment can be accessed from the front and also from the side of the rack. The rack has an undivided structure.

product	code
19" wall mounting racks RUN series	
RUN 9U, (H,W,D) 491 x 600 x 400mm	RUN-09-60/40
RUN 12U, (H,W,D) 624 x 600 x 400mm	RUN-12-60/40
RUN 15U, (H,W,D) 758 x 600 x 400mm	RUN-15-60/40
RUN 9U, (H,W,D) 491 x 600 x 500mm	RUN-09-60/50
RUN 12U, (H,W,D) 624 x 600 x 500mm	RUN-12-60/50
RUN 15U, (H,W,D) 758 x 600 x 500mm	RUN-15-60/50
RUN 9U, (H,W,D) 491 x 600 x 600mm	RUN-09-60/60
RUN 12U, (H,W,D) 624 x 600 x 600mm	RUN-12-60/60
RUN 15U, (H,W,D) 758 x 600 x 600mm	RUN-15-60/60
RUN 18U, (H,W,D) 891 x 600 x 600mm	RUN-18-60/60

Color sampler:

RAL 7035

- Height: 4 – 18U
- Width: 600mm
- Removable and lockable side panels
- Door with lock and tinted security glass
- Top and bottom openings for cable entry
- Color powder coated RAL 7035

Standard configuration:

1 pair of sliding 19" vertical extrusions (second pair optional), 2 removable side panels with lock, 1 door with lock and safety glass (EN 12150-1), 1 earthing kit, 16 mounting kits



RUN-09-60/40



19" open frames RS series

The RS series frames are used in closed rooms with controlled access and within a suitable operating environment for installed components or wherever racks cannot be used for any reason. These frames are available either in single version (one frame) or in double version (two frames).

product	code
19" open frames RS series	
19" frame RS 27U, 1pc	RS-27
19" frame RS 36U, 1pc	RS-36
19" frame RS 42U, 1pc	RS-42
19" frame RS 45U, 1pc	RS-45
Plinth (1pair)	RS-P

- Height: 27, 36, 42, 45U
- Width: 559mm
- Depth: 600mm (base size)
- Load rating: 200kg single frame, 400kg double frame
- IP rating: IP00
- Color: RAL 9005

Color sampler:

RAL 9005



19" open frames

19" high-load open frames RSG2 series

RSG2 high-load two post open frames are designed to be used together with High Density Wire Managers. RSG2 open frames bring unbeatable accessibility. The RSG2 two post frames are available with two load ratings, depending on the type of equipment that you want to install. The 500kg rated frame is ideally suited to high density cabling applications, whereas the 1000kg rated frame is suited to the installation of heavier equipment. The frames are also suitable for use in testing and service rooms where they ensure unlimited access to components installed.

product	code
19" high-load open frames RSG2 series	
19" open frame RSG2 27U, load rating 500kg	RSG2-27-19-L5
19" open frame RSG2 42U, load rating 500kg	RSG2-42-19-L5
19" open frame RSG2 45U, load rating 500kg	RSG2-45-19-L5
19" open frame RSG2 47U, load rating 500kg	RSG2-47-19-L5
19" open frame RSG2 42U, load rating 1000kg	RSG2-42-19-LA
19" open frame RSG2 45U, load rating 1000kg	RSG2-45-19-LA
19" open frame RSG2 47U, load rating 1000kg	RSG2-47-19-LA

- Height: 27, 42, 45, 47U
- Width: 550mm
- Depth: 100mm
- Load rating: **500kg** (balanced load; all heights) and **1000kg** (balanced load; only 42, 45, 47U)
- IP rating: IP00 (no protection)
- Color: RAL 9005

Color sampler:

RAL 9005

HDWM
compatible
see page 6



19" high-load open frames RSG4 series

RSG4 high-load four post open frames are an alternative to housing the equipment in racks. Open frames bring unbeatable accessibility, but require a dust free environment with controlled access, because no protection is provided to the equipment. Load rating of these frames is up to 1500kg (balanced load), that means they are also suitable for installation of heavy servers, disk arrays etc. The frames are also suitable for use in testing and service rooms where they ensure unlimited access to components installed. RSG4 series open frames are recommended to be used together with High Density Wire Managers.

- Height: **42, 45, 47U**
- Width: **550mm**
- Depth: **500-680mm, 710-890mm, 920-1100mm**
- Load rating: **1500kg** (balanced load)
- IP rating: IP00 (no protection)

Color sampler:

RAL 9005

product	code*
19" high-load open frames RSG 4 series	
19" open frame RSG4 42U, adjustable depth 500-680mm	RSG4-42-19/50-LF
19" open frame RSG4 42U, adjustable depth 710-890mm	RSG4-42-19/74-LF
19" open frame RSG4 42U, adjustable depth 920-1100mm	RSG4-42-19/92-LF
19" open frame RSG4 45U, adjustable depth 500-680mm	RSG4-45-19/50-LF
19" open frame RSG4 45U, adjustable depth 710-890mm	RSG4-45-19/74-LF
19" open frame RSG4 45U, adjustable depth 920-1100mm	RSG4-45-19/92-LF
19" open frame RSG4 47U, adjustable depth 500-680mm	RSG4-47-19/50-LF
19" open frame RSG4 47U, adjustable depth 710-890mm	RSG4-47-19/74-LF
19" open frame RSG4 47U, adjustable depth 920-1100mm	RSG4-47-19/92-LF

* for inside oriented base replace L by X in product code

HDWM
compatible
see page 6



19" wire management brackets and ducts

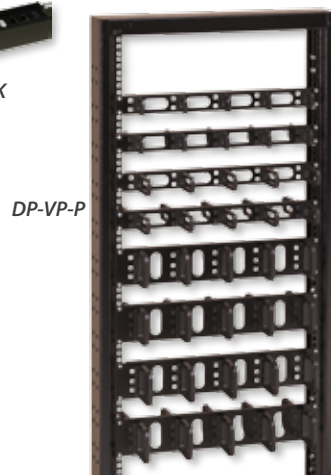
Used for storage and horizontal management of cables within the rack. They are attached to the 19" extrusions.

- Height: 1 or 2U
- "Front only" or "front and rear" design
- Oval openings in panel allow front to rear cabling

product	code
Wire management brackets and ducts	
19" wire management panel 1U - front only, plastic brackets 40 x 50 mm	DP-VP-P1
19" wire management panel 1U - front only, plastic brackets 40 x 50 mm	DP-VP-P2
19" wire management panel 2U - both sides, plastic brackets 80 x 60 mm	DP-VP-P4
19" wire management panel 1U - front only, plastic brackets 40 x 80 mm	DP-VP-P5
19" wire management panel 1U - both sides, plastic brackets 40 x 80 mm	DP-VP-P6
19" wire management panel 2U - front only, plastic brackets 80 x 80 mm	DP-VP-P7
19" wire management panel with plastic duct 1U - front only, 40 x 40 mm	DP-VP-K01
19" wire management panel with plastic duct 2U - front only 80 x 60 mm	DP-VP-K03
19" wire management panel with plastic duct 2U - both sides 80 x 60 mm	DP-VP-K06



DP-VP-K



DP-VP-P

Plastic and metal brackets

Designed for mounting on 19" extrusions. They are used for vertical or horizontal cable management within the rack.

- Height: 1 or 2U
- Flange for installing on 19" vertical extrusions
- Front or side cable entry

product	code
Plastic and metal brackets	
Plastic cable bracket 40 x 50 mm, vertical	VO-P1-40/50
Plastic cable bracket 80 x 80 mm, vertical	VO-P7-80/80
Plastic cable bracket 80 x 80 mm, horizontal	VO-P8-80/80
Metal cable bracket 100x140mm, 10pcs	VO-W1-100/140



Vertical wire management panels

Used for storing and managing cables vertically in 800mm wide free-standing racks.

- For racks 27, 42 and 45U high
- Plastic duct for cable management, size 80x60mm
- Installation to the front part of vertical extrusions by using holder of vertical wire management panels (HVMF) which is not included

product	code
Vertical wire management panels	
Vertical wire management panel 27U	DP-VP-VR-27
Vertical wire management panel 42U	DP-VP-VR-42
Vertical wire management panel 45U	DP-VP-VR-45
Holder of vertical wire management panels 27U, 1 pair	HVMF-27
Holder of vertical wire management panels 42U, 1 pair	HVMF-42
Holder of vertical wire management panels 45U, 1 pair	HVMF-45



Cable basket trays - HVMS-B

Cable basket trays HVMS-B are used to guide and support vertical cables in free-standing racks between 19" extrusions and side panels.

- 140x30mm (WxD): could be mounted between horizontal holder and side panel
- 140x60mm (WxD): mounted on inner side of horizontal holder
- Produced for rack sizes 15-48U
- Mounted on holders of vertical extrusions, horizontal holders are needed for racks of 18, 21 and 27U; for RI7 and RM7 only sizes 42 and 45U
- Set of fittings included

product	code
Cable basket trays	
Produced for rack sizes 15, 18U	HVMS-B-600-140/30
Produced for rack sizes 21U	HVMS-B-800-140/30
Produced for rack sizes 24, 27U	HVMS-B-1000-140/30
Produced for rack sizes 33, 36U	HVMS-B-1400-140/30
Produced for rack sizes 42, 45, 48U	HVMS-B-1800-140/30
Produced for rack sizes 15, 18U	HVMS-B-600-140/60
Produced for rack sizes 21U	HVMS-B-800-140/60
Produced for rack sizes 24, 27U	HVMS-B-1000-140/60
Produced for rack sizes 33, 36U	HVMS-B-1400-140/60
Produced for rack sizes 42, 45, 48U	HVMS-B-1800-140/60
Produced for rack sizes 42, 45, 48U	HVMS-B-1800-300/60
Produced for rack sizes 42, 45, 48U	HVMS-B-1800-400/60



19" blank and vented panels with brush

product	code
Blank and vented panels with brush	
19" fast blank panel 1U, color black	DP-ZA-1F
19" fast blank panel 2U, color black	DP-ZA-2F
19" fast blank panel 3U, color black	DP-ZA-3F
19" fast blank panel 5U, color black	DP-ZA-5F
19" blank panel 1U, color black	DP-ZA-1U
19" blank panel 3U, color black	DP-ZA-3U
19" blank panel 5U, color black	DP-ZA-5U
19" vented panel with brush and cable management, color black	DP-BP-02
19" vented panel with double layer brush, color black	DP-BP-03
19" divided vented panel with double layer brush, color black	DP-BP-03-D

These panels are mounted to 19" vertical extrusions. Blank panels are used to cover empty positions in rack. Vented panels enable front to rear cable passage through empty positions in rack while helping to minimize by-pass airflow.



19" fixed shelves

Fixed shelves represent the basic option for supporting equipment which is not mounted on 19" vertical extrusions. The whole surface is perforated for effective ventilation.

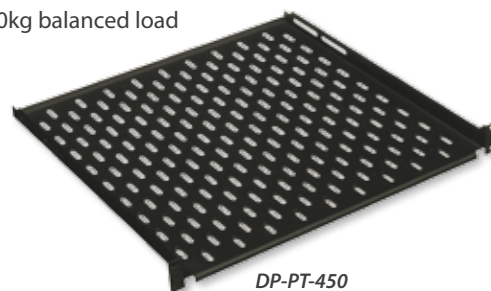
product	code
Fixed shelves	
19" shelf with supporting brackets, depth 250 mm	DP-PT-250
19" shelf with supporting brackets, depth 350 mm	DP-PT-350
19" shelf with supporting brackets, depth 450 mm	DP-PT-450
19" shelf with supporting brackets, depth 550 mm	DP-PT-550
19" shelf with supporting brackets, depth 650 mm	DP-PT-650
19" shelf with supporting brackets, depth 750 mm	DP-PT-750
19" shelf, depth 450 mm, load rating 100kg	DP-PZ-450
19" shelf, depth 550 mm, load rating 100kg	DP-PZ-550
19" shelf, depth 650 mm, load rating 100kg	DP-PZ-650
19" shelf, depth 750 mm, load rating 100kg	DP-PZ-750

- Made of 1.5mm sheet steel
- Supporting brackets included
- Load rating max. 20kg balanced load

(Load rating decreased to 25% when mounted only on front pair of vertical extrusions)

Color sampler:

RAL 9005



19" pull-out shelves

Pull-out shelves allow support of equipment which is not mounted on 19" vertical extrusions. Owing to the telescopic system, the equipment can be accessed very easily. The whole surface is perforated for effective ventilation.

product	code
Pull-out shelves	
19" pull-out shelf, depth 250 mm	DP-PO-250V
19" pull-out shelf, depth 350 mm	DP-PO-350V
19" pull-out shelf, depth 450 mm	DP-PO-450V
19" pull-out shelf, depth 650 mm	DP-PO-650V

- Height 1U
- Made of 1.5mm sheet steel
- 1 pair of side telescopic rails
- Load rating max. 25kg balanced load

(Load rating decreased to 25% when mounted only on front pair of vertical extrusions)

Color sampler:

RAL 9005



19" pull-out high load shelves

- Height 1U
- Made of 2mm and 2.5mm sheet steel
- Max. pull-out 450 mm
- Load rating max. 80kg balanced load

Color sampler:

RAL 9005

product	code
Pull-out high load shelves	
19" pull-out shelf, depth 450 mm, height 1U, high-load	DP-PZ-450V
19" pull-out shelf, depth 550 mm, height 1U, high-load	DP-PZ-550V



DP-PZ-450V

Intelligent Power Basic

Basic Power Distribution Units are designed for high density, mission-critical server applications. These models provide reliable power to the rack for both standard and Blade server environments.

product	code
Intelligent Power Basic	
19" socket panel, 6x UTE, surge protection, switch	DP-RP-06-UTESP
socket panel with free placing, 6x UTE, surge protection, switch	DP-RP-06-UTESP-F
19" socket panel, 8x UTE, switch	DP-RP-08-UTES
19" socket panel, 9x UTE, no switch	DP-RP-09-UTE
19" socket panel, 12x IEC C13, power cord SCHUKO	DP-RP-12-IECC13
Vertically mounted socket panel, 20x UTE	DP-RP-20-UTEV



DP-RP-09-UTE



DP-RP-12-IECC13

Intelligent Power Monitored

Strips feature a local easy-to-read ammeter on the outlet strip along with the ability to monitor the current draw of outlets remotely over an Ethernet connection. The user can aggregate the information from thousands of Intelligent Power Strips in one location. Designed for high density, mission-critical server applications, the CONTEG MONITORED power strips provide reliable power to the cabinet for both standard and Blade server environments.



INTELLIGENT POWER DISTRIBUTION UNITS – MONITORED

Code	Input Plug	Length	Type 1 Outlet	Qty	Type 2 Outlet	Qty	Rating	Mounting	Dimensions in mm		
									H	W	D
IP-DMI-008C300016	C20 (inlet)	x ¹	C13	8	x	x	16A	1U	432	90	44
IP-DMI-021C33C916	C20 (inlet)	x ¹	C13	21	C19	3	16A	0U	1645	56	44
IP-DMI-314C32C932	IEC309	3m	C13	14	C19	2	32A	0U	1245	56	44
IP-DMI-321C33C932	IEC309	3m	C13	21	C19	3	32A	0U	1645	56	44

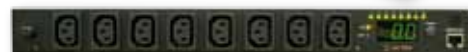
Other types including 3-phase models 3x16A and 3x32A upon request

¹ INPUT power cords for these models must be ordered separately

Intelligent Power Managed

Strips represent the leading edge in functionality available in a power strip. Employing a server-grade microprocessor, this product has unprecedented management and monitoring capabilities available through the built in web-server and firewall. CONTEG Managed Power strips provide reliable power to the rack for both standard and blade server environments.

- Switch individual outlets on or off to enable remote reboot of servers
- Virtual grouping of outlets for single-click reboot of multi-corded servers
- Single-click control of entire racks or non-critical loads
- Current Monitoring per outlet (POM)
- User definable sequencing of outlets for reboot



INTELLIGENT POWER DISTRIBUTION UNITS – MANAGED (MONITORED PER STRIP)

Code	Input Plug	Length	Type 1 Outlet	Qty	Type 2 Outlet	Qty	Rating	Mounting	Dimensions in mm		
									H	W	D
IP-DMA-008C300016	C20 (inlet)	x ¹	C13	8	x	x	16A	1U	432	90	44
IP-DMA-021C33C916	C20 (inlet)	x ¹	C13	21	C19	3	16A	0U	1778	56	44
IP-DMA-314C32C932	IEC309	3m	C13	14	C19	2	32A	0U	1245	56	44
IP-DMA-008C3POM16	C20 (inlet)	x ¹	C13	8	x	x	16A	1U	432	90	44
IP-DMA-321C33C932	IEC309	3m	C13	21	C19	3	32A	0U	1778	56	44

¹ INPUT power cords for these models must be ordered separately



Rack monitoring system RAMOS Mini

The RAMOS (Rack MONitoring System) is designed to be deployed within a rack to monitor its internal and external environment. As a network attached device, the RAMOS can report the status of sensors deployed in and around racks to any location worldwide and using SNMP traps can integrate with any network management software such as HP OpenView.

- 4 humidity and temperature sensors
- 4 inputs and 2 outputs
- Access control system
- Gas and smoke detector
- Graphic web interface for configuration and monitoring

RAMOS
Mini



code	sensors	inputs	outputs
RAMOS Mini C	up to 4	4	2

Standard equipment:

1 RAMOS Mini unit, 1 temperature sensors 1-Wire, 3m, 1 door contact, 1 EU version 12V wall plug adaptor (UK, US and other versions upon request), Installation CD (RAMOS Setup)

For more information and RAMOS Mini accessories visit www.conteg.com

Ventilation units

Ventilation units are used to enhance airflow for improved cooling of equipment installed in racks. Ventilation units are mounted either on 19" vertical extrusions (horizontally) or in top or bottom frame of the rack (connecting kit required). Available units from 2 to 9 fans.

- Two to nine fans
- Possible to install:
 - a) in 19" extrusions – horizontally
 - b) in top or bottom frame of free-standing rack
- Connecting kit for ventilation unit is needed when installing in top or bottom frame
- Temperature range -10°C to 55°C
- Thermostat in the range 0°C – 60°C included; optionally no thermostat
- Voltage range 230V/50Hz (optionally 48V DC)
- Protection category to EN 60 529 IP 20
- Color powder coated RAL (standard RAL 9005)



DP-VEN-06

Color sampler:

RAL 9005

product	code
Ventilation units	
Ventilation unit - 2 x fan	DP-VEN-02
Frame for ventilation unit installation 1-3 fans	DP-VER-03
Ventilation unit - 4 x fan	DP-VEN-04
Frame ventilation unit installation, 4-6 fans	DP-VER-06
Ventilation unit - 9 x fan	DP-VEN-09
Frame for ventilation unit installation, 7-9 fans	DP-VER-091

Mounting kits

Intended for attachment of equipment to vertical extrusions

product	set includes	code
Mounting kit		
Mounting kit	1x screw M5, 1x floating nut, 1x washer	DP-MO-01 ¹
Mounting kit – fast installation	1x screw M6, 1x nut	DP-MO-F2 ^{1,2}
Mounting kit – multipack	100x mounting kit (1x screw, 1x floating nut, 1x washer)	DP-MO-100

¹ Please order in multiples of four only (one packaging = 4 above presented sets)

² Compatible with cut-out 9,5 x 9,5 mm



DP-MO-F2

DP-MO-01

www.conteg.com/products/

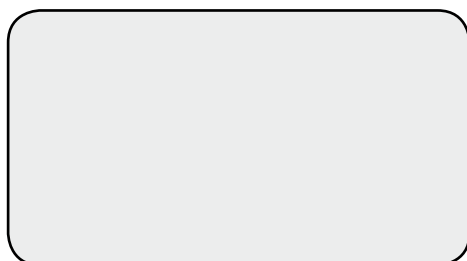
CONTEG participates in many seminars and conferences. At Datacenter Dynamics the main objective is Design, Build and Operate present and future Data Centers. At seminars our experts will present how to increase Data Center installation of a 200kW heat load to 460kW keeping the same floorage. The Portable Modular Data Center (PMDC) is ideal for organizations struggling to handle increasing amounts of the growth of servers in existing data centers. Please don't hesitate to visit us at following forums and seminars.

Conferences and seminars 2011			
Date	Conference / seminar	Place	
7th June 2011	Datacenter Dynamics Paris	Paris, France	 DatacenterDynamics PARIS - 7 JUNE 2011
16th June 2011	IBM PMDC Roadshow	London, United Kingdom	 AST Modular Energy Efficient and Secure Data Centers  CONTEG  IBM to complete your network
21st June 2011	IBM PMDC Roadshow	Paris, France	 AST Modular Energy Efficient and Secure Data Centers  CONTEG  IBM to complete your network
27th September 2011	Datacenter Dynamics Amsterdam	Amsterdam, Netherlands	 DatacenterDynamics AMSTERDAM - 27 SEPTEMBER 2011
18th October 2011	Datacenter Dynamics Moscow	Moscow, Russia	 DatacenterDynamics MOSCOW - 18 OCTOBER 2011
15th November 2011	Datacenter Dynamics Stockholm	Stockholm, Sweden	 DatacenterDynamics STOCKHOLM - 15 NOVEMBER 2011

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