



# USpace 4210

Multi-function Rack



We engineer for a sustainable tomorrow.

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## Overview

The USpace 4210 is one of the premium ranges of racks from USystems. Smart design and state of the art manufacturing facilities guarantees the unbeatable quality, style and innovation associated with USystems.

- Available in datacomms and server rack configurations
- 3307.0lbs/1500kg load bearing
- \*1102lbs/500kg dynamic load
- 5 heights, 2 widths, 4 depths as standard
- Rigid bolted construction
- Superior venting standard AirTech door with 80% airflow
- Superior venting AirTech V door option with 86% airflow
- Multi depth mounting
- Multi cable access through top and base
- Quick release cladding
- Left or right hand hinged doors
- Lockable side panels
- Houses all major server brands
- ColdLogik compliant

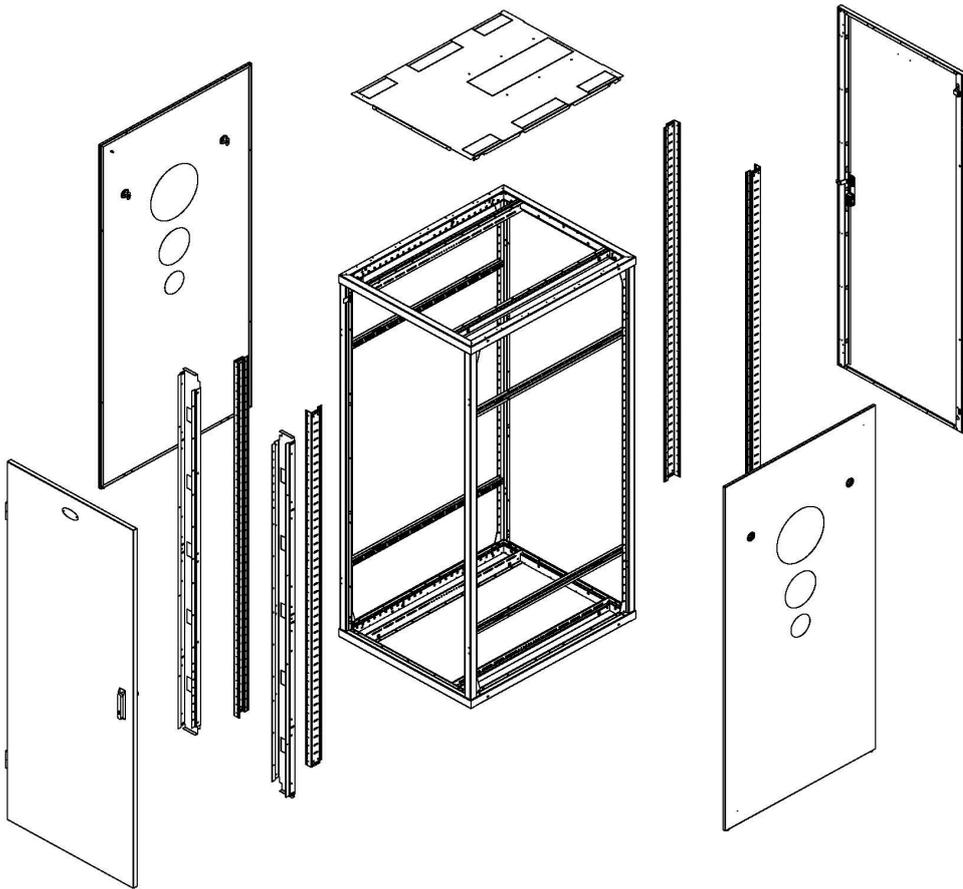
The robust structure adapts itself to many applications and markets. The 4210 frame provides the perfect platform for installers and end users alike.



\*Dynamic Load Rating is the total rolling mass of the rack and includes the rack frame, cladding and any fitted equipment and accessories and is subject to the load being evenly distributed at 20U height and below. Dynamic load relates to the movement of a rack within the same data centre on a smooth floor clear of any obstacles. Not suitable for transportation on a vehicle when loaded to this weight.

## Multi function—comms and server rack build

Comprising of four corner posts, top and bottom end frame, depth support rails, front and rear 19" mounting angles, front infill panels (800w models), swing handle lockable front and rear door (available in a combination of options, lockable side panels, top cover with knock out blanks for cable entry and a set of four transport castors (not load bearing).



### Materials and finish

**Frame**  
1.2mm & 1.5mm CR4 steel

**AirTech, glass and steel doors**  
1.0mm, 1.2 & 2.0mm CR4 steel  
4.0mm toughened clear glass

**Side panels**  
1.0mm & 1.2mm CR4 steel

**Top cover**  
1.2mm CR4 steel

**Depth support rails**  
1.5mm CR4 steel

**Mounting angles**  
2.0mm CR4 steel

Black RAL 9005  
Standard

Light grey RAL 7035  
Option with extended lead time

**Polyester semi gloss powder coat**  
(Other colour options are available on request)

**NB:** Internal specification —mounting angles and depth support rails come in Black RAL 9005 as standard regardless of cladding colour option unless specified otherwise at time of ordering.

## Multi function rack sizes with standard cladding

Heights	Available Widths		Available Depths footprint/with cladding			
24U 47.24"/1200mm	23.62" 600mm	31.50" 800mm	23.62"/25.98" 600mm/660mm	31.50"/33.86" 800mm/860mm	39.97"/41.73" 1000mm/1060mm	47.24"/49.60" 1200mm/1260mm
30U 57.72"/1466mm						
36U 68.23"/1733mm						
42U 78.70"/1999mm						
48U 89.21"/2266mm						

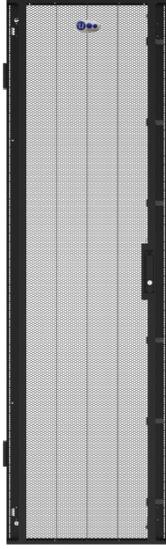
Rack manufactured to IEC 60297-3 and EIA STD 310 for panels and racks housing electronic equipment

## Door and locking options

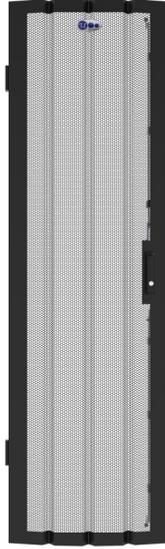
Glass door



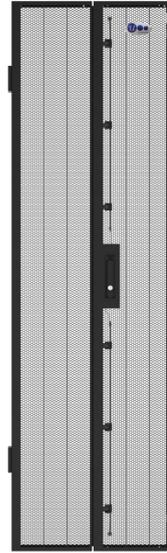
AirTech vented door  
(80% airflow)



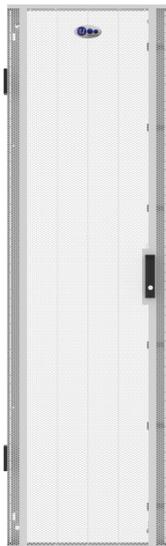
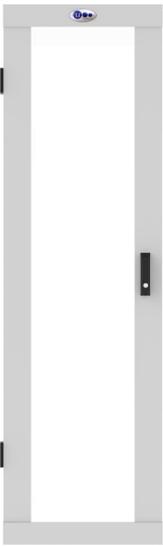
AirTech 'V' vented door  
(86% airflow)



AirTech wardrobe door



Solid door



Single point swing handle  
as standard



Combination key override swing handle  
(four point locking and six point on  
wardrobe doors)



Proximity smart card/fob reader



MIFARE



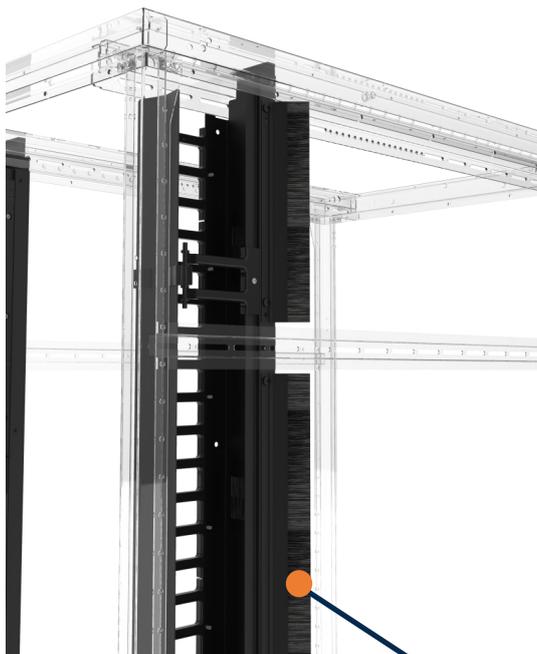
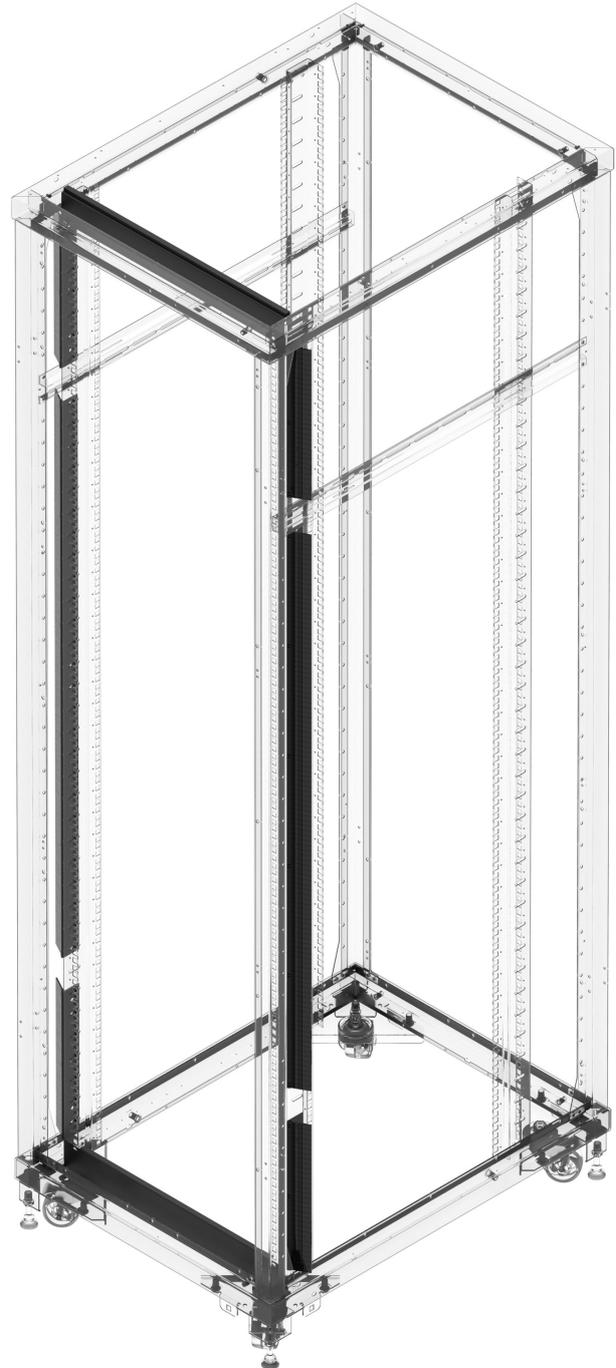
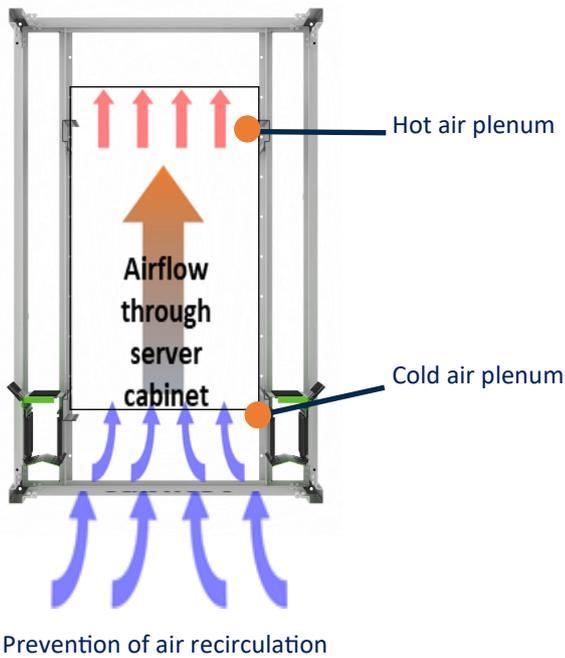
Keypad

Electronic intelligent locking with various readers and styles

## Anti-air recirculation kit

It is universally understood that preventing hot air recirculating internally from the back of the rack has many upsides, including prevention of hot spots and a reduction in energy consumption. The 5210 anti-air recirculation kit comprises vertical brush strip to each side of the 19" mounting angles and 2 x horizontal blanking panels above and below the 19" mounting angles.

To help achieve best practice—fit EaziBlank blanking panels (opposite page) into unused U spaces within the rack to help minimise hot air recirculation.



Brush strip air baffle kit on infills

Enhanced airflow management can be achieved with the addition of 4210 brush strip sealing kits which create a seal to prevent hot air re-circulating to the front 19" plenum.

## Thermal management

### EaziBlank panels



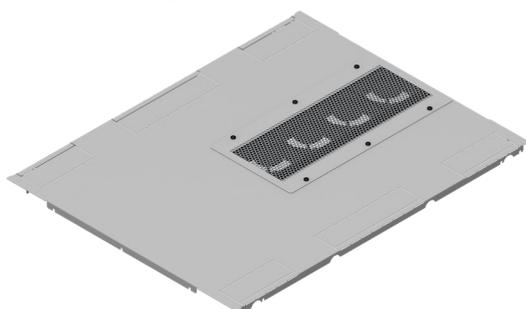
Fitting 19" blanking or EaziBlank panels (and deploying rack air anti-recirculation kits) helps to avoid air mixing and recirculation within the rack space which in turn helps to maximise the cooling infrastructure effectiveness by delivering cool air to the equipment and not allowing it to bypass through empty U spaces.

### Brush strip



19" blanking panel with brush strip enabling cable entry without compromise to air flow management.

### Top cover fan tray



Retrofittable zero U top cover fan trays remove heat from rack and can be thermostatically controlled if required

## Shelving

### Adjustable shelf



Adjustable shelves with maximum load bearing of 100kg, these versatile shelves adjust to suit rail depths 450mm-750mm & 650mm-950mm.

### Cantilever shelf



Easy to fit shelving solution suitable for mounting non 19" equipment. Mount directly to the 19" mounting angles with cage nut fixings (included).

### Chassis runners

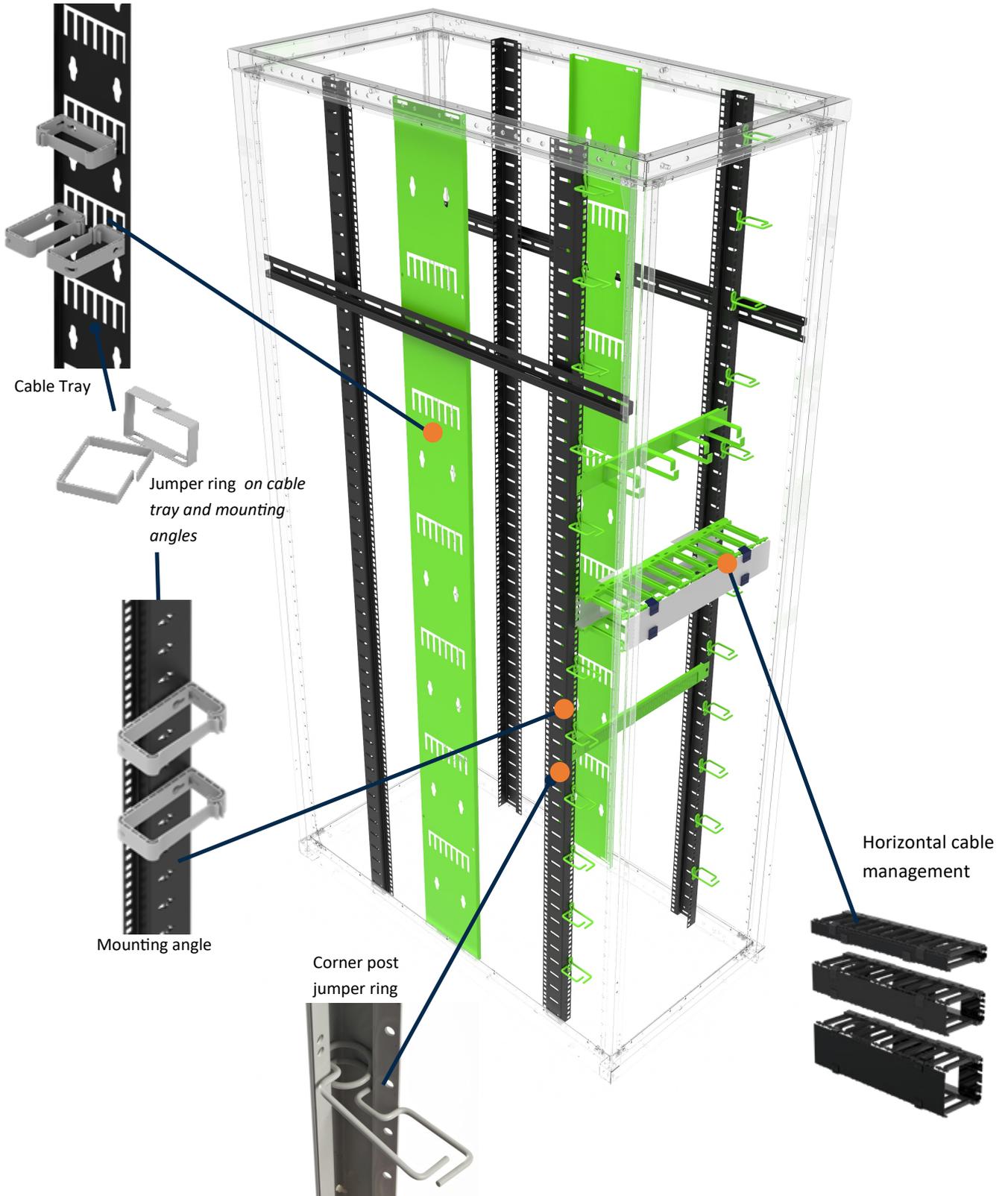


Simple and cost effective alternative to cantilever and fixed shelving. Easy to fit and allows you to support and withdraw full width products with safety.

# Cable management

## 600mm wide data comms rack

Vertical cable management options



## 800mm wide data comms rack

Front to rear cable troughs  
for 800w racks only



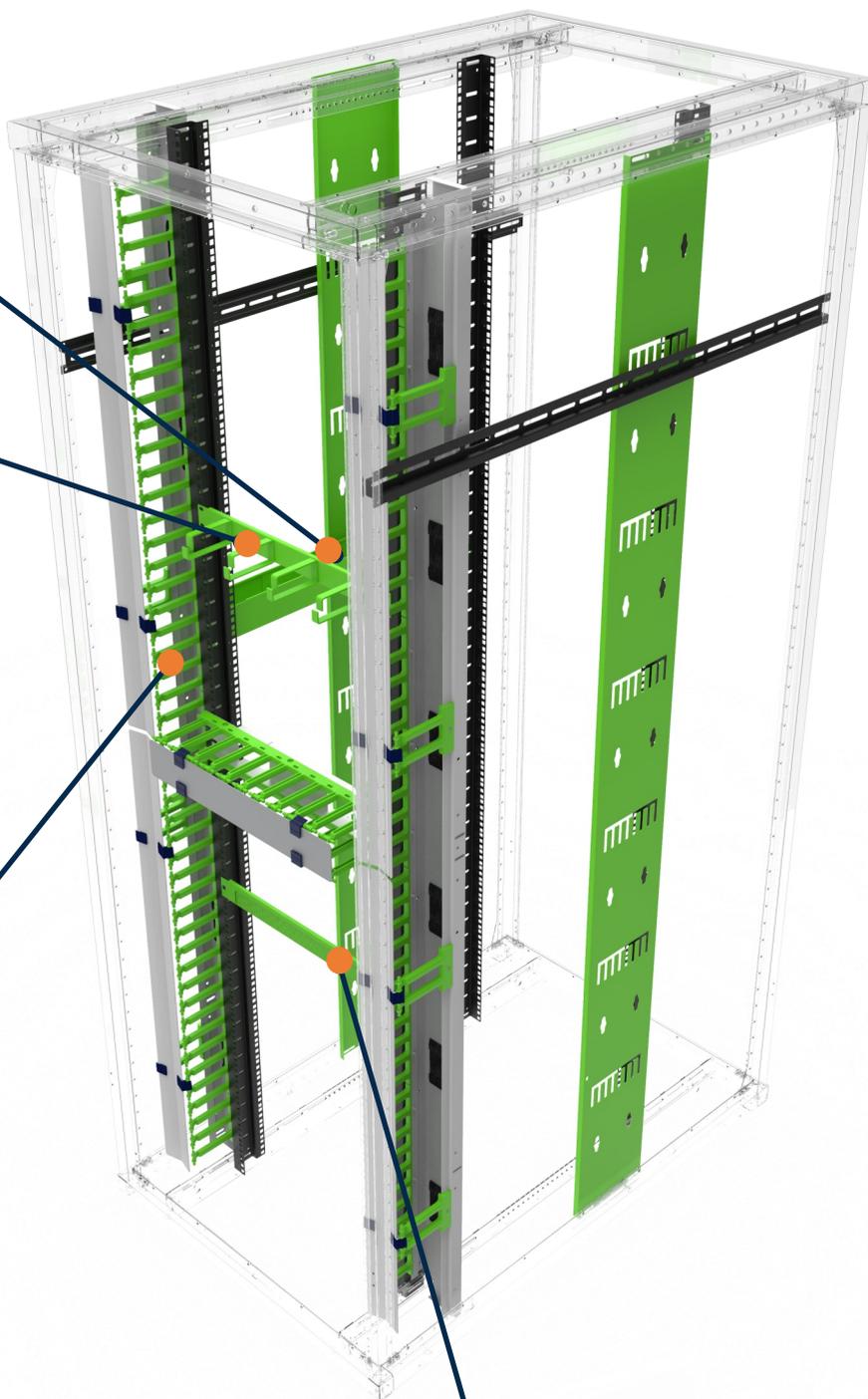
4 loop jumper ring panel



Vertical cable fingers  
with open hinged cover



Versatile jumper ring which can be mounted in a multitude of useful positions within the rack, for example on the front or sides of the 19" rails and on the vertical cable trays.



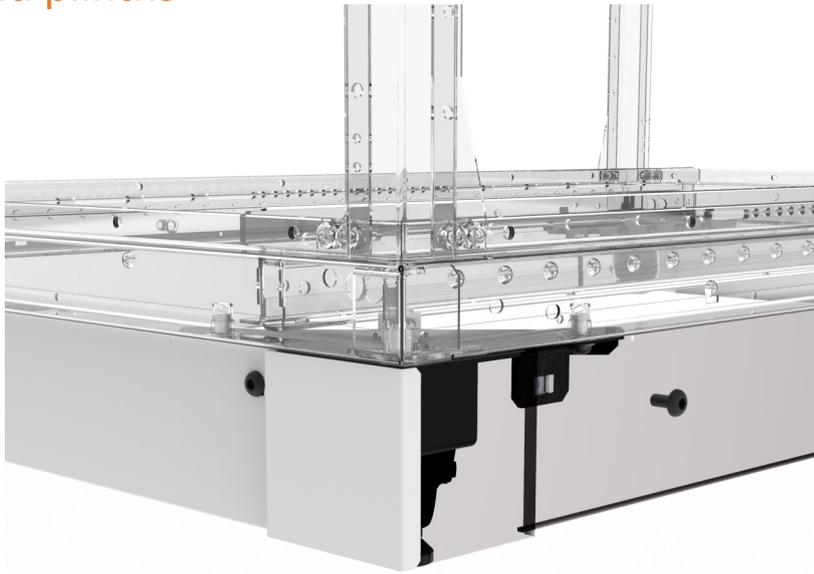
19" brush strip panel



19" blanking panel with brush strip enabling cable entry without compromise to air flow management.

## Castors, feet and plinths

### Fixed plinth



Plinth kits are designed to help close-off the gap between the rack and the floor for racks with castors/levelling feet fitted. These kits comprise a pair of front and rear kick plates and side kick plates and fitting these adds to the efficient use of air and to the aesthetics of the 4210 rack when on castors/levelling feet by hiding the incoming services into the rack base. These are not load bearing plinths.

### Castors with levelling feet



### With castors and levelling feet



### Levelling feet



Rack levelling feet have a weight loading of 300kg

These castor kits allow for the movement of the USpace 4210 rack with a total mass of 500kg\*. The base adjustable foot kits allow the 4210 racks to be levelled on an uneven floor surface.

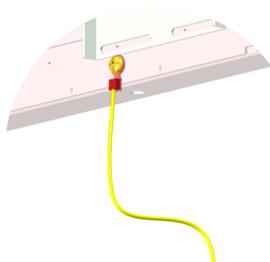
## Earthing

### Earth bonding kit



Standard cladding or wardrobe door earth bonding kit

### Clean earth



### Copper bus bar



Horizontal and vertical 3mm and 5mm thick solid copper options.  
Clearance holes for M6 fasteners

### ESD kit



Comprising M6 stud, wrist bank and grounding cable

## Power

### Power distribution units



Broad range of standard models ranging from 4 to 16 way configurations 13amp, IEC, 16amp, 32amp and specials

### Intelligent power



Full range of build configurations from overall power monitoring to link legacy interface units, remote monitoring and control

### Uninterruptable power supplies



Monitors power conditions constantly maintaining and maintaining and regulating voltage and frequency

Up to 95% efficiency in online double conversion mode and 98% in high-efficiency mode

### Further Documentation

For additional information, please refer to the below. Available through your USystems representative, or our central inquires line at [sales@usystems.com](mailto:sales@usystems.com)

Complete Product Range

Available at [www.usystems.com](http://www.usystems.com)

Operations and Maintenance Manual

Please contact [sales@usystems.com](mailto:sales@usystems.com)

Troubleshooting Guide

Please contact [sales@usystems.com](mailto:sales@usystems.com)

Product Datasheet

Available at [www.usystems.com](http://www.usystems.com)



## USpace 4210



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[www.usystems.com](http://www.usystems.com)

#### Europe

Systems House, 235 Ampthill Road  
Bedford, MK42 9QG, UK

Tel: +44 (0) 1234 761 720

#### Middle East

Unit 706B, Al Shamsi Building, Al  
Nahda 1, Dubai, United Arab  
Emirates

Tel: 97 155 998 1198

#### North America

10 Glenlake Parkway, Suite 130  
Atlanta, Georgia, 30328, USA

Tel: 404 334 3607

#### India

207, 2nd Floor Regus Supreme  
(Jayanagar), 44/1, 16th Cross,  
Jayanagar, 7th block (west), KR Road,  
Bangalore - 560070, India

Tel: 080 6185 2022