

# USpace 4210

*Multi-Function Rack*



**USystems**  
A brand of **legrand**

**CABLENET**

## 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).

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.

# Technical Information

## 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						

## Shipping Dimensions

Rack Dimensions			Rack and Pallet Dimensions		
Height (mm)	Width (mm)	Depth (mm)	Height (mm)	Width (mm)	Depth (mm)
24U	600mm	600/800/1000	1360	800	1200
	800mm		1360	1000	1200
	600/800	1200	1360	900	1400
30U	600	600/800/1000	1627	800	1200
	800		1627	1000	1200
	600/800	1200	1627	900	1400
36U	600	600/800/1000	1893	800	1200
	800		1893	1000	1200
	600/800	1200	1893	900	1400
42U	600	600/800/1000	2160	800	1200
	800		2160	1000	1200
	600/800	1200	2160	900	1400
48U	600	600/800/1000	2430	800	1200
	800		2430	1000	1200
	600/800	1200	2430	900	1400
For specific exports in containers the below dimensions are used					
42U	600	1200	2160	700	1300
48U			2430	700	1300

## 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

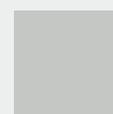
2.0mm CR4 steel

### Infills for 800w

1.5mm 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.*

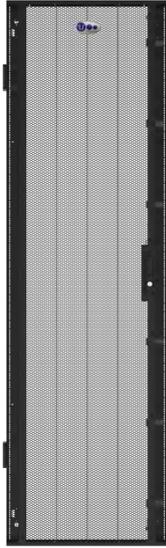
Rack manufactured to IEC 60297-3 and EIA STD 310 for panels and racks housing electronic equipment

# Door and locking options

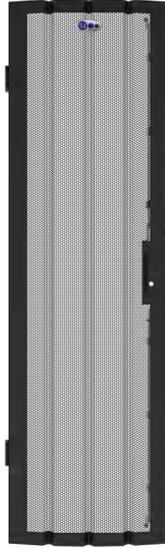
Glass door



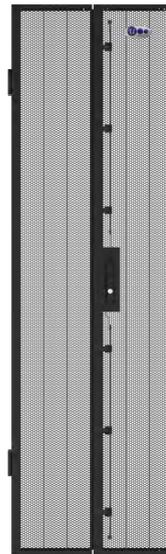
AirTech vented door  
(80% airflow)



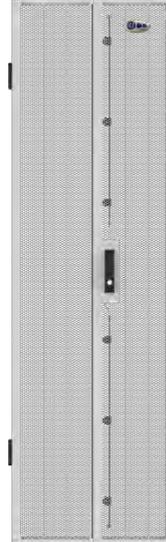
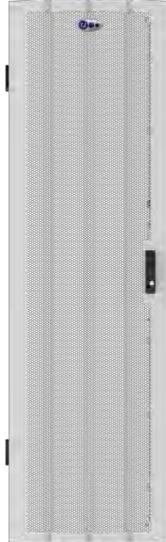
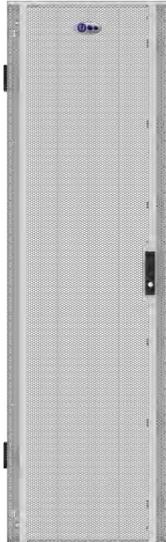
AirTech 'V' vented door  
(86% airflow)



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



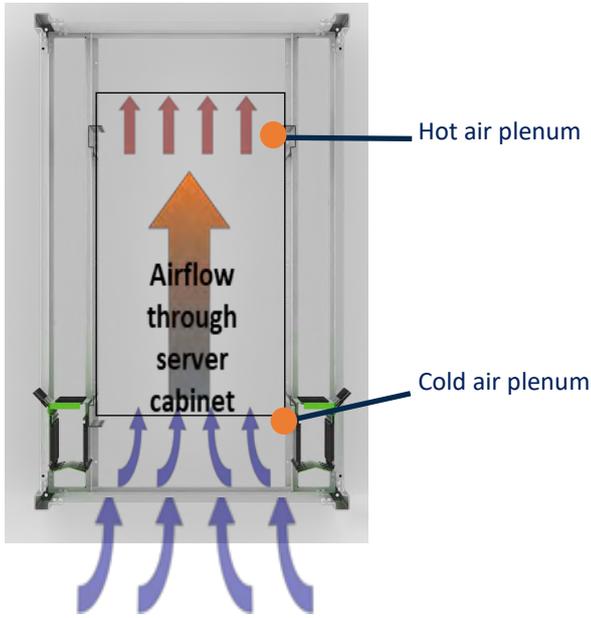
Keypad

Electronic intelligent locking with various readers and styles

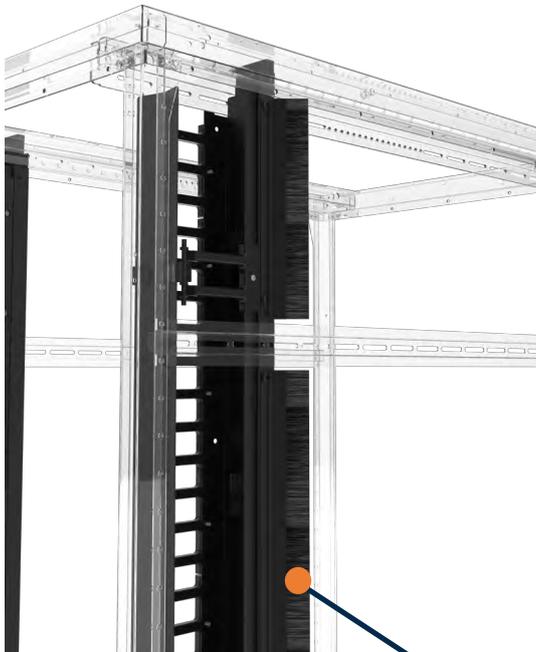
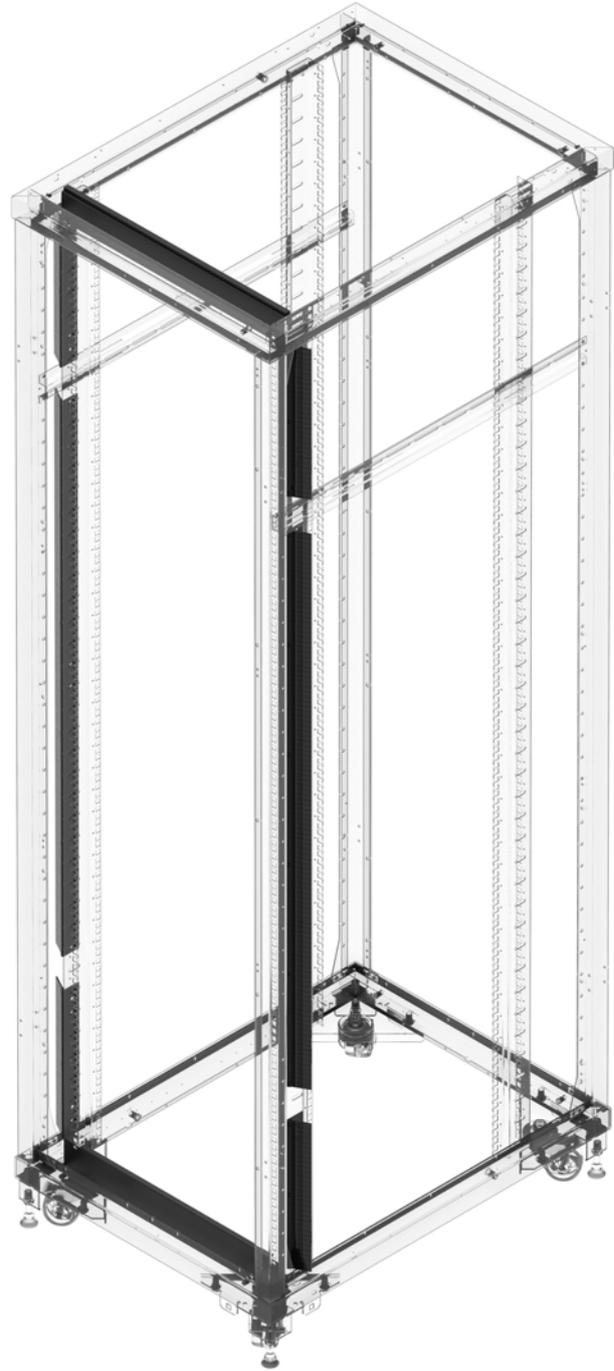
# Anti-air recirculation kit

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.



Prevention of 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

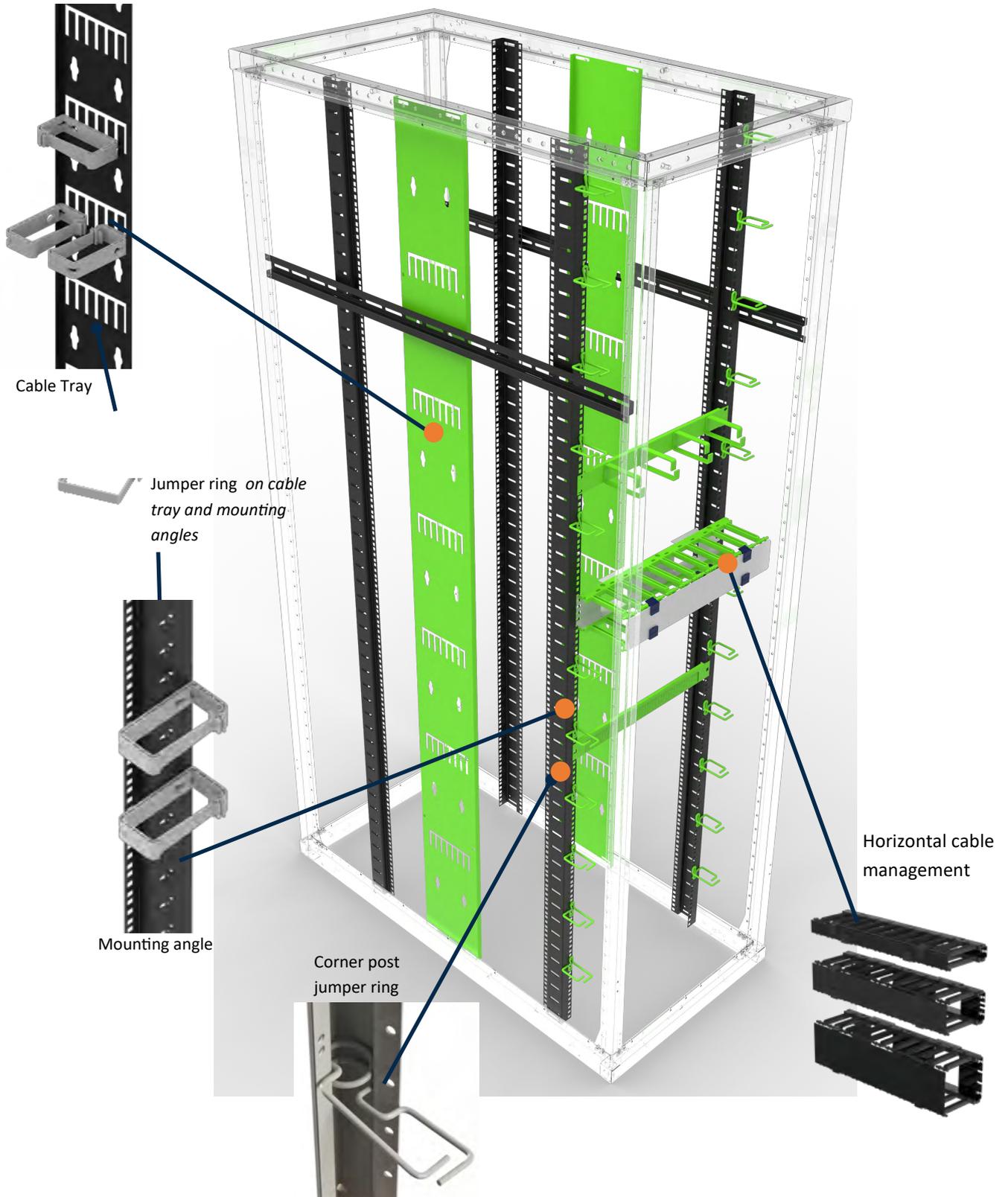


Simple and cost effective alternative to cantilever and fixed shelving. Easy to fit and allows you to support and withdraw full width products with safety.

# 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



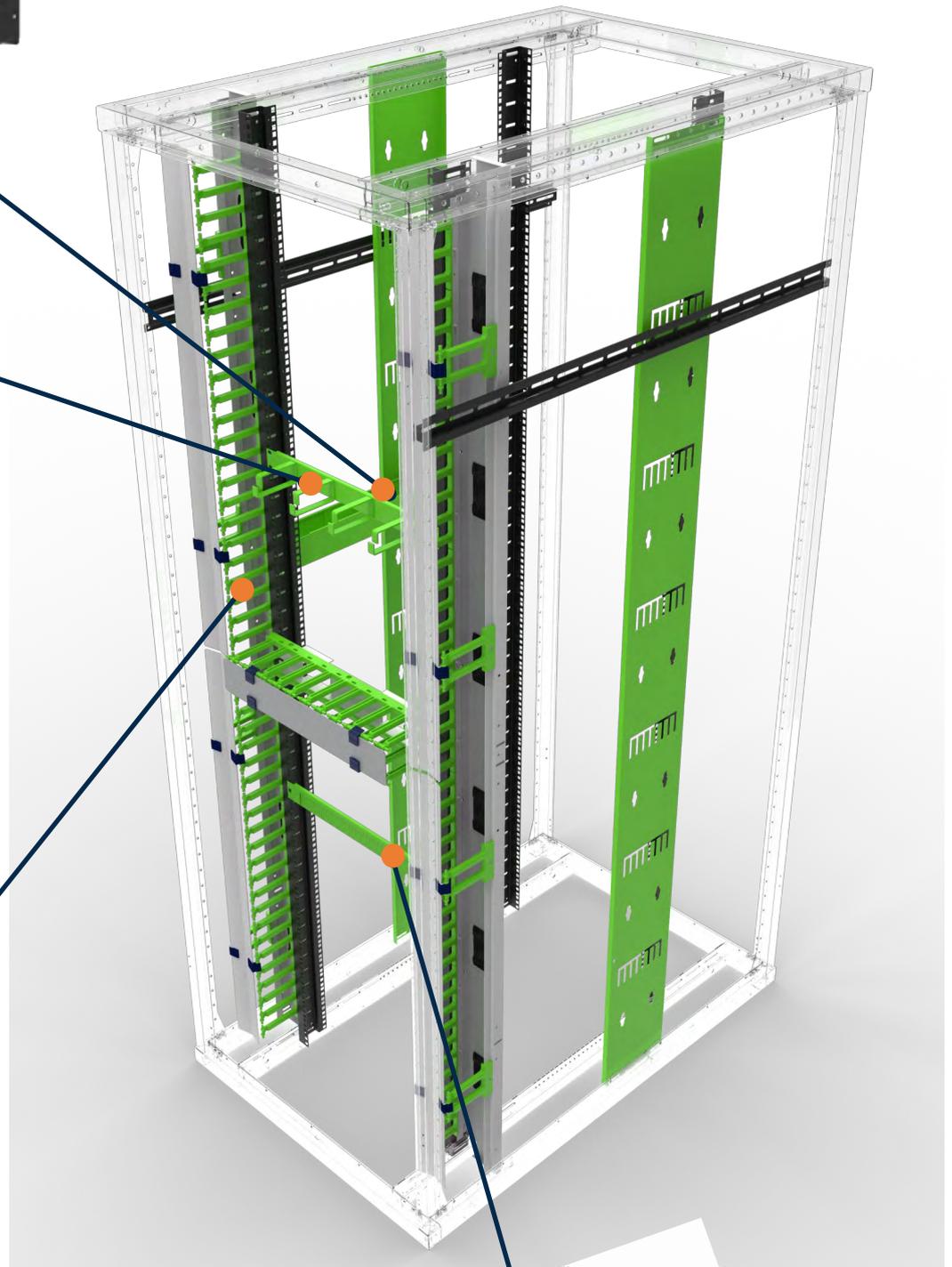
4 loop jumper ring panel



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.



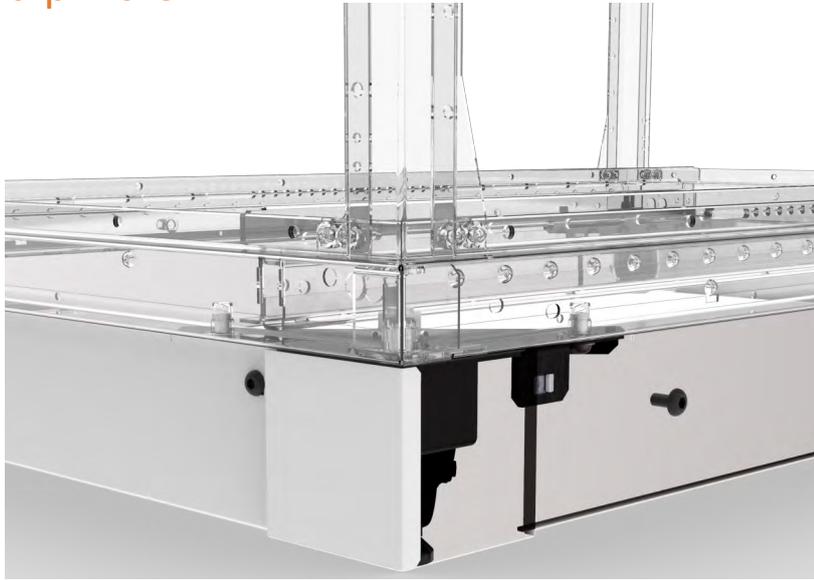
19" brush strip panel



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.

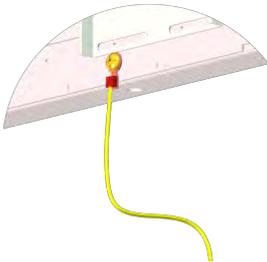
## Earthing

### 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

### Uninterruptible 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

## 4210 Accessories

Packaged 4210 600w 600d Fixed Plinth Kit - Black	DA5-0580-AA-B
Packaged 4210 600w 800d Fixed Plinth Kit - Black	DA5-0581-AA-B
Packaged 4210 600w 1000d Fixed Plinth Kit - Black	DA5-0582-AA-B
Packaged 4210 800w 600d Fixed Plinth Kit - Black	DA5-0584-AA-B
Packaged 4210 800w 800d Fixed Plinth Kit - Black	DA5-0585-AA-B
Packaged 4210 800w 1000d Fixed Plinth Kit - Black	DA5-0586-AA-B
Packaged 4210 24u 75w Cable Tray (Black)	DA5-1300-AA-B
Packaged 4210 42u 75w Cable Tray (Black)	DA5-1306-AA-B
Packaged 4210 24u 150w Cable Tray (Black)	DA5-1326-AA-B
Packaged 4210 42u 150w Cable Tray (Black)	DA5-1332-AA-B
Packaged 4210 24u 300w Cable Tray (Black)	DA5-1368-AA-B
Packaged 4210 42u 300w Cable Tray (Black)	DA5-1374-AA-B
Packaged 4210 Heavy duty castors (Set of 4)	DA5-2020-AA
Packaged M10 x 60mm Dia 30mm Leveling Feet	RA0-0073-AA
Packaged 5 x 250mm Lead Earth Kit	RA0-0557-AA
Packaged 4210 Wardrobe Door Earth Lead Kit	RA0-0558-AA
Packaged 4210 Baying Kit	RA0-1031-AA
Packaged 4210 Baying Kit with Foam Strip	RA0-1031-FM
Packaged 4 Way Top Cover Fan Tray	RA0-0005-AA-B
Packaged 4210 Corner Post Jumper Rings (x10 Pack)	RA0-0753-AA
Packaged Pair 4210 Extended Bolt Down Plate	DA5-2012-AA
Fitted Schuko Angled Plug - IEC C13 (Right Angled) - 2m	DA5-2014-AA
Packaged 4210 ESD Bonding Kit	AXS-0291-4210-AA
Packaged Pair 4210 Standard PDU Bracket (APC & Raritan) 110mm	RA0-0994-AA

## General Accessories

Packaged 1U 4 Loop Jumper Ring Panel (64mm)	AXS-0647-XX-AA
Packaged 2U 4 Loop Jumper Ring Panel (64mm)	AXS-0648-XX-AA
Packaged Bag of 50 Cage Nuts, Washers and Bolts	AXS-1000-ZZ-AA
Packaged EZIBLANK Blanking Panel Black 6 X 1U With Foam	CM-0167-BL-6U-AA
Packaged EZIBLANK Blanking Panel Sheets Black (pack of 10 x 6)	CM-0167-BL-AA
Packaged Large Plastic Cable Ring (1pcs)	ETN-CTL-AA
Packaged 1U Quick Release Blanking Panel	RA0-0170-AA
Packaged 2U Quick Release Blanking Panel	RA0-0171-AA
Packaged 19inch x 400d Standard Fixed Shelf (600d Cabinet)	RA0-0216-AA
Packaged 19inch x 600d Standard Fixed Shelf (800d Cabinet)	RA0-0218-AA
Packaged 19inch x 800d Standard Fixed Shelf (1000d Cabinet)	RA0-0219-AA
Packaged 19inch x 700d Standard Fixed Shelf	RA0-0220-AA
Packaged 19inch x 750d Standard Fixed Shelf	RA0-0222-AA
Packaged 1-48U New Style U-Strip Measure (PAIRS)	RA0-0254-AA
Packaged 1U x 300d Cantilever Shelf	RA0-0435-AA
Packaged 2U x 400d Cantilever Shelf	RA0-0438-AA
Packaged 19" Bus Bar (Horizontal Copper Bar)	RA0-0533-AA
Packaged 1334mm Bus Bar (30u)	RA0-0535-AA
Packaged 1870mm/42U Bus Bar	RA0-0536-AA
Packaged 1U Brush Strip Blanking Panel (LETTER BOX)	RA0-0563-AA
Packaged 1U Open Brush Strip 19" Blanking Panel	RA0-0565-AA
Fitted Schuko Angled Plug - IEC C13 (Right Angled) - 2m	RA0-0180-AA
Packaged 2U High Density Horizontal Cable Manager	RA0-0181-AA
Packaged Secure Space Standard Kit - 2 SouthCo Locks, Cards.	EL4-0001-AA
Packaged Infill Panel Cable trough with Support Bracket	DA5-1620-AA

### Further Documentation

For additional information, please refer to the below.

Available through your Cablenet Account Manager, or our sales inquiry line at [sales@cablenet.co.uk](mailto:sales@cablenet.co.uk)



Cablenet Trading Ltd.  
AGP House, 2a Albany Park  
Frimley Road, Camberley.  
Surrey  
GU16 7PL

**CABLENET**

01276 405300  
[sales@cablenet.co.uk](mailto:sales@cablenet.co.uk)