rt racktech

Racks, Cabinets, Frames and Accessories

racktech

Contents

WR Series

RT2 Series

Class C and B

RTX Series

IP Series

iQ Series

iQ Open Frame

Providing rack solutions since 1990

About Racktech

Racktech specialises in rack system enclosures and accessories for the communications, data, electronic, security and electrical industries.

Rack Technologies was founded in Sydney, Australia in March 1990 and acquired by Preformed Line Products (Australia) Pty Ltd in April 2000.

After 30 successful years in business, the name changed to Racktech in March 2021.

The company's dedication to continuous improvement in all areas of the business from innovative design features and exceptional customer service are the keys to our success.

Racktech maintains a dominant position in the market due to our competitive pricing and comprehensive product range, manufactured to the highest standards.

Racktech products meet the requirements of AS/NZS ISO 9001-2016, IEC 60297 and EIA-310.

Our design features and accessories assist with prolonging the life of sensitive electronic equipment that lead to future cost savings.

Racktech is committed to providing unrivalled products and services. Our pricing, range and quality combined with local service ensures our valued customers will receive the best product.

RTX Series cabinets ready for dispatch at the production facility Glendenning, NSW.

racktech

RTX Series – Pre-configured Range ②

RTX Series is a pre-configured floor standing cabinet range ready for delivery.

More than 90 size and door variations ensures a cabinet that will suit any installation requirement.

RTX cabinets are the perfect solution for educational facilities, small to medium size businesses, low density commercial applications and communication rooms.

The series has three door options and many standard inclusions, comprising power distribution units, fans, shelves and vertical cable management systems.

The cabinets are supplied fully assembled, enabling quick installation and easy maintenance with time and cost savings.

The fully welded frame provides strength and all doors and panels are designed for easy removal enabling unobstructed access for wiring during installation.

Features ③

› An economical range with many standard inclusions
› Doors open to 180° degrees with quick release hinges
› Glass, Steel or Curved Vented front door options
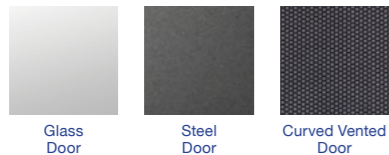› Curved vented front door protrudes 50mm
› Vented rear doors (Bifold for 800mm wide cabinets)
› Vented doors have 70% perforation for efficient airflow
› Swing handle with lock for both front and rear doors
› 19" depth adjustable mounting rails with RU markings
› Side panels fitted with round locks are easy to install and remove
› Top and bottom panel has multiple cable entry knockouts
› 800kg static load capacity on levelling feet

Glass Door | Steel Door | Curved Vented Door ④

⑦ RTX Series

Cabinets			Depth	Doors		
RU	Height	Width	Depth	Glass	Vented	Steel
12RU	718*	600	600	RTX6612G	RTX6612V	RTX6612S
			800	RTX6812G	RTX6812V	RTX6812S
18RU	985*	600	600	RTX6618G	RTX6618V	RTX6618S
			800	RTX6818G	RTX6818V	RTX6818S
			1000	RTX6018G	RTX6018V	RTX6018S
		800	800	RTX8818G	RTX8818V	RTX8818S
22RU	1161*	600	600	RTX6622G	RTX6622V	RTX6622S
			800	RTX6822G	RTX6822V	RTX6822S
			1000	RTX6022G	RTX6022V	RTX6022S
27RU	1383*	600	600	RTX6627G	RTX6627V	RTX6627S
			800	RTX6827G	RTX6827V	RTX6827S
			1000	RTX6027G	RTX6027V	RTX6027S
		800	800	RTX8827G	RTX8827V	RTX8827S
			1000	RTX8027G	RTX8027V	RTX8027S
37RU	1825*	600	600	RTX6637G	RTX 6637V	RTX6637S
			800	RTX6837G	RTX6837V	RTX6837S
			1000	RTX6037G	RTX6037V	RTX6037S
		800	800	RTX8837G	RTX8837V	RTX8837S
			1000	RTX8037G	RTX8037V	RTX8037S
42RU	2044*	600	600	RTX6642G	RTX6642V	RTX6642S
			800	RTX6842G	RTX6842V	RTX6842S
			1000	RTX6042G	RTX6042V	RTX6042S
			1200	RTX6242G	RTX6242V	RTX6242S
		800	800	RTX8842G	RTX8842V	RTX8842S
			1000	RTX8042G	RTX8042V	RTX8042S
			1200	RTX8242G	RTX8242V	RTX8242S
45RU	2177*	600	600	RTX6645G	RTX6645V	RTX6645S
			800	RTX6845G	RTX6845V	RTX6845S
			1000	RTX6045G	RTX6045V	RTX6045S
			1200	RTX6245G	RTX6245V	RTX6245S
		800	800	RTX8845G	RTX8845V	RTX8845S
			1000	RTX8045G	RTX8045V	RTX8045S
			1200	RTX8245G	RTX8245V	RTX8245S

Note: *Height includes castors (72mm)

⑥

Standard Inclusions ⑤

All RTX Series cabinets come with the following inclusions:

› Fully welded cabinet frame
› Top and bottom panel
› 2 x fan units (600 depth)
› 4 x fan units (800 to 1200 depth)
› Swing handle with lock for both front and rear doors
› Locks for side panels
› 2 x fixed shelves (12RU to 27RU)
› 3 x fixed shelves (37RU to 45RU)
› 1 x 8-way horizontal PDU
› 2 x cable trays (150 wide)
› 2 x vertical cable ducts (800 cabinet)
› 25 cage nuts
› Earth Kit
› Castors for transport (72mm high)
› Levelling feet
› Baying Kit

Fan Unit | Earth Kit
Shelves | Cable Trays
Cage Nuts | Baying Kit
Castors | Levelling Feet
Power Rail – PDU | Cable Duct 800mm wide cabinets only

---

① Product Image
② Product Description
③ Product Features
④ Door Types
⑤ Standard Inclusions
⑥ Ordering Details
⑦ Product Category
⑧ QR Code
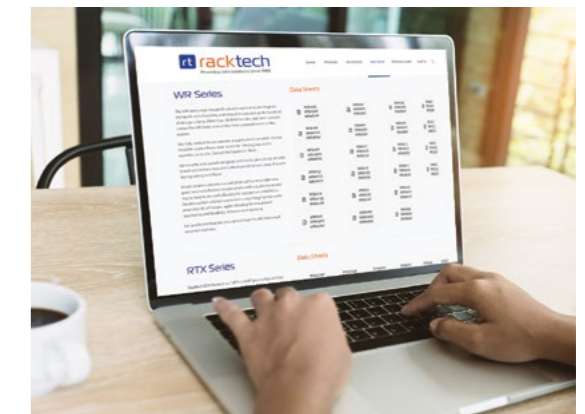
Data Sheets

Download the Racktech Data Sheets at www.racktech.com.au/data-sheets/

Distributor Locator
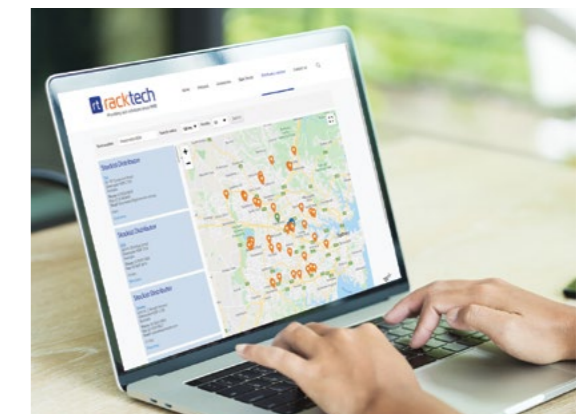
Locate your nearest Racktech distributor at www.racktech.com.au/distributors-locator/

rt racktech

WR Series

The WR Series wall mounted cabinets are built to the highest standards and are easy to install.

Racktech's extensive range with flexible components makes the WR Series the most comprehensive in today's market.

WR Series – Wall Cabinets

The WR Series wall mounted cabinets are built to the highest standards with flexibility and ease of installation at the forefront of the design criteria.

More than 30 different size and door variations makes the WR Series one of the most comprehensive in the market.

The fully welded frame ensures a stable structure while the key lockable quick release door opens to 180° degrees.

Doors are available in Acrylic, Steel or Curved Vented.

Removable side panels with locks and cable knockouts in the top and bottom panels enables easy access during wiring and fitout.

Single section wall cabinets are supplied complete with removable rear panel. The installation is simple with a Quick Mount Rail that is fixed to the wall, enabling one person to install the cabinet.

Double section wall cabinets come with a rear section with reversible lift off hinges, providing easy access and enabling one person to install the cabinet.

For quality and range of features you cannot go past the WR Series cabinets.

Acrylic Door

Steel Door

Curved Vented Door

Features

> Fully welded frame
> Removable side panels with locks
> Removable rear panel
> Adjustable mounting rails with RU markings
> Quick release door hinges facilitate easy installation
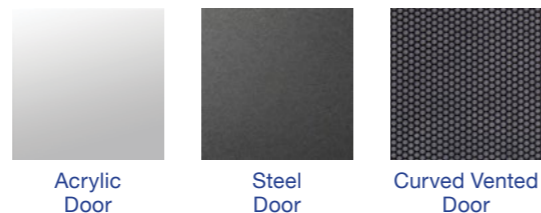> Reversible doors open to 180° degrees
> Acrylic, Steel or Curved Vented doors are available
> Curved vented front door protrudes 50mm with 70% perforation for efficient airflow
> Top and bottom panel with multiple cable entry knockouts
> Cabinets can be fixed directly to the wall or attached to a hinged wall bracket

> Hinged wall bracket is lockable and contains knock-outs for cable entry. Hinge wall bracket adds 100mm to the depth
> Rear hinge section can be hinged on the left or right hand side
> Rear hinge section is key lockable and has 19" provisions
> Single Section wall cabinet has 50kg load capacity when directly mounted to wall
> Double Section wall cabinet has 40kg load capacity when directly mounted to wall
> Black is the standard colour
> Fans are an optional inclusion

Single Section Wall Cabinets

Standard Inclusions
> 1 x cantilever shelf (1RU 300mm deep cantilever)
> Key lock on front door
> Key locks on removable side panels
> Cable entry knockouts top, bottom and rear
> Fan vents in top
> 19" front and rear mounting rail with RU markings
> Earth stud
> 25 cage nuts and screws
> Quick Mount Rail

Optional Fan Inclusions
> Single fan unit for 450mm deep cabinet – Part Number: 9181
> Double fan unit for 600mm deep cabinet – Part Number: RT9182

Cabinets				Doors		
RU	Height	Width	Depth	Acrylic	Vented	Steel
4RU	280	600	450	WR6404	WR6404V	WR6404S
6RU	367		450	WR6406	WR6406V	WR6406S
			600	WR6606	WR6606V	WR6606S
9RU	500		450	WR6409	WR6409V	WR6409S
			600	WR6609	WR6609V	WR6609S
12RU	634		450	WR6412	WR6412V	WR6412S
			600	WR6612	WR6612V	WR6612S
18RU	897		450	WR6418	WR6418V	WR6418S
			600	WR6618	WR6618V	WR6618S
24RU	1170		450	WR6424	WR6424V	WR6424S
			600	WR6624	WR6624V	WR6624S

Quick Mount Rail enables simple wall mounting of cabinet

Removable rear panel

Removable side panel with key locks

Cantilever shelf, depth adjustable mounting rails, reversible doors, earth stud on body and door

Top View
Underside View
Fan vents on top and cable entry knockouts on top and bottom

Double Section Wall Cabinets

Standard Inclusions

❯ 1 x cantilever shelf (1RU 300mm deep cantilever)
❯ Key lock on front door
❯ Key locks on removable side panels
❯ Cable entry knockouts top, bottom and rear
❯ Fan vents in top
❯ 19" mounting rail with RU marking
❯ Earth stud
❯ 25 cage nuts and screws
❯ Rear hinged section supplied with hinges for left hand and right hand swing option

Removable 100mm deep rear section hinged with 19" mounting facility

Optional Fan Inclusions

❯ Single fan unit for 450mm deep cabinet – Part Number: 9181
❯ Double fan unit for 600mm deep cabinet – Part Number: RT9182

	Cabinets				Doors		
RU	Height	Width	Depth	Total Depth	Acrylic	Vented	Steel
4RU	280		450	550*	WRH6404	WRH6404V	WRH6404S
6RU	367		450	550*	WRH6406	WRH6406V	WRH6406S
			600	700*	WRH6606	WRH6606V	WRH6606S
9RU	500		450	550*	WRH6409	WRH6409V	WRH6409S
			600	700*	WRH6609	WRH6609V	WRH6609S
12RU	634	600	450	550*	WRH6412	WRH6412V	WRH6412S
			600	700*	WRH6612	WRH6612V	WRH6612S
18RU	897		450	550*	WRH6418	WRH6418V	WRH6418S
			600	700*	WRH6618	WRH6618V	WRH6618S
24RU	1170		450	550*	WRH6424	WRH6424V	WRH6424S
			600	700*	WRH6624	WRH6624V	WRH6624S

Note: *Total Depth includes 100mm rear hinge section. Hinge assembly required.
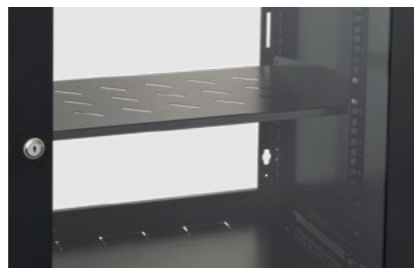
Features include removable side panels with key locks, cantilever shelf, depth adjustable mounting rails, reversible doors, earth stud on body and door

Wall Frames and AV Frames

Wall Frames

Standard Inclusions

❯ Frame only
❯ All wall frames swing at 180°
❯ Suitable for patching
❯ Black in colour

RU	Height	Width	Depth	Part Number
2RU	90		100	WF201
			200	WF202
			300	WF203
4RU	179	483	100	WF401
			200	WF402
			300	WF403
6RU	268		100	WF601
			200	WF602
			300	WF603

Wall Frame Lids
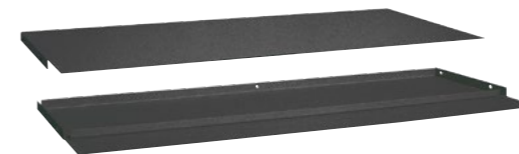
Width	Depth	Description	Part Number
483	100	Suits 100mm wall frame	WFL11
	200	Suits 200mm wall frame	WFL21
	300	Suits 300mm wall frame	WFL31

Lids can be used on top and bottom of the frame.
Sold as a single unit.

Vertical Wall Frame

RU	Height	Width	Depth	Part Number
1RU	64	495	64	WFV-1RU
2RU	108	495	108	WFV-2RU
3RU	153	495	153	WFV-3RU
4RU	197	495	197	WFV-4RU

AV Open Frame

RU	Height	Width	Depth	Part Number
12RU	700	510	530	AVOF5512
24RU	1232	510	530	AVOF5524

Castors and two cable trays are standard inclusions.

rt racktech

RTX Series

The RTX Series is a pre-configured floor cabinet ready for delivery.

The range has numerous size and door combinations, suitable for any installation.

Providing rack solutions since 1990

RTX Series – Pre-configured Range

RTX Series is a pre-configured floor standing cabinet range ready for delivery.

More than 90 size and door variations ensures a cabinet that will suit any installation requirement.

RTX cabinets are the perfect solution for educational facilities, small to medium size businesses, low density commercial applications and communication rooms.
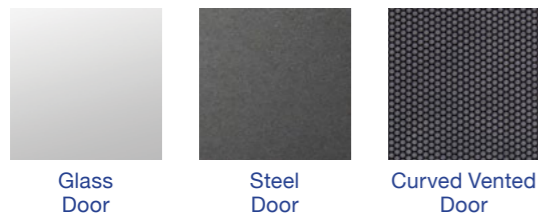
The series has three door options and many standard inclusions, comprising power distribution units, fans, shelves and vertical cable management systems.

The cabinets are supplied fully assembled, enabling quick installation and easy maintenance with time and cost savings.

The fully welded frame provides strength and all doors and panels are designed for easy removal enabling unobstructed access for wiring during installation.

Features

› An economical range with many standard inclusions
› Doors open to 180° degrees with quick release hinges
› Glass, Steel or Curved Vented front door options
› Curved vented front door protrudes 50mm
› Vented rear doors (Bifold for 800mm wide cabinets)
› Vented doors have 70% perforation for efficient airflow
› Swing handle with lock for both front and rear doors
› 19" depth adjustable mounting rails with RU markings
› Side panels fitted with round locks are easy to install and remove
› Top and bottom panel has multiple cable entry knockouts
› 800kg static load capacity on levelling feet

Glass Door	Steel Door	Curved Vented Door

Cabinets				Doors		
RU	Height	Width	Depth	Glass	Vented	Steel
12RU	718*	600	600	RTX6612G	RTX6612V	RTX6612S
			800	RTX6812G	RTX6812V	RTX6812S
18RU	985*	600	600	RTX6618G	RTX6618V	RTX6618S
			800	RTX6818G	RTX6818V	RTX6818S
			1000	RTX6018G	RTX6018V	RTX6018S
		800	800	RTX8818G	RTX8818V	RTX8818S
22RU	1161*	600	600	RTX6622G	RTX6622V	RTX6622S
			800	RTX6822G	RTX6822V	RTX6822S
			1000	RTX6022G	RTX6022V	RTX6022S
27RU	1383*	600	600	RTX6627G	RTX6627V	RTX6627S
			800	RTX6827G	RTX6827V	RTX6827S
			1000	RTX6027G	RTX6027V	RTX6027S
		800	800	RTX8827G	RTX8827V	RTX8827S
			1000	RTX8027G	RTX8027V	RTX8027S
37RU	1825*	600	600	RTX6637G	RTX 6637V	RTX6637S
			800	RTX6837G	RTX6837V	RTX6837S
			1000	RTX6037G	RTX6037V	RTX6037S
		800	800	RTX8837G	RTX8837V	RTX8837S
			1000	RTX8037G	RTX8037V	RTX8037S
42RU	2044*	600	600	RTX6642G	RTX6642V	RTX6642S
			800	RTX6842G	RTX6842V	RTX6842S
			1000	RTX6042G	RTX6042V	RTX6042S
			1200	RTX6242G	RTX6242V	RTX6242S
		800	800	RTX8842G	RTX8842V	RTX8842S
			1000	RTX8042G	RTX8042V	RTX8042S
			1200	RTX8242G	RTX8242V	RTX8242S
45RU	2177*	600	600	RTX6645G	RTX6645V	RTX6645S
			800	RTX6845G	RTX6845V	RTX6845S
			1000	RTX6045G	RTX6045V	RTX6045S
			1200	RTX6245G	RTX6245V	RTX6245S
		800	800	RTX8845G	RTX8845V	RTX8845S
			1000	RTX8045G	RTX8045V	RTX8045S
			1200	RTX8245G	RTX8245V	RTX8245S

Note: *Height includes castors (72mm)

Standard Inclusions

All RTX Series cabinets come with the following inclusions:

› Fully welded cabinet frame
› Top and bottom panel
› 2 x fan units (600 depth)
› 4 x fan units (800 to 1200 depth)
› Swing handle with lock for both front and rear doors
› Locks for side panels
› 2 x fixed shelves (12RU to 27RU)
› 3 x fixed shelves (37RU to 45RU)
› 1 x 8-way horizontal PDU
› 2 x cable trays (150 wide)
› 2 x vertical cable ducts (800 cabinet)
› 25 cage nuts
› Earth Kit
› Castors for transport (72mm high)
› Levelling feet
› Baying Kit

Fan Unit	Earth Kit

Shelves	Cable Trays

Cage Nuts	Baying Kit

Castors	Levelling Feet

Power Rail – PDU	Cable Duct 800mm wide cabinets only

rt racktech

RT2 Series

The RT2 Series is a custom design range with multiple size and panel configurations available.

The cabinets are suitable for the iQ cable management system to be fitted within the enclosure.

Benefits of Server Rack Cabinets

The most important component of any network is the server. The server should be protected and maintained at all times.

Storing your IT equipment in server rack cabinets helps to keep the work environment organised and tidy.

Server rack cabinets minimise safety risks and prolong the life of your network.

Below are three major benefits of server racks.

Server Rack Features

› High airflow vented doors
› Vertical and horizontal cable management
› Roof mounted fan trays
› Power rails (basic or monitored)
› Keyboard trays
› Fixed or sliding shelves
› Joining kits
› Blanking panels

High Performance

Rack cabinets are designed to keep the server and other IT equipment securely in place.

Servers require constant airflow to work properly.

If the airflow around the server is obstructed, the performance will be greatly reduced

Insufficient airflow will increase the temperature around the server leading to potential overheating.

If the airflow is your priority, purchase a server rack with a cooling system.

Easy Maintenance

Maintenance is the key to a long service life and the proper operation of your server and IT equipment.

Server rack cabinets facilitate easy access, enabling IT technicians to maintain and solve network problems quickly for reliable network performance.

Network cables are organised ensuring every component in the network is in the right place.

Server racks are available with many features including wheels, left and right hinges, and easy to remove doors and panels.

Increased Security

Server Cabinets have added security options including protective doors and three-point locking systems to ensure your IT equipment will remain safe from unauthorised access.

All of these features will help you get the most out of the server.

Server rack cabinets can be easily customised to meet your specific project requirements.

Contact Racktech for assistance with your product and project requirements.
Call 1300 550 322, email sales@racktech.com.au or visit www.racktech.com.au

RT2 Series – Custom Configured Range

The RT2 Series is a custom design range with multiple size and panel configurations available.

The cabinets are suitable for the iQ cable management system to be fitted within the enclosure.

Features

> 600mm and 800mm width cabinets
> Modular Frame
> Superior weight to strength ratio
> Modular design with aluminum extrusion
> Durable powder-coated finish
> Cabinet is designed for strength and flexibility and can take up to 1000kg static load capacity
> Fully adjustable mounting rails with RU markings for quick installation
> Doors are available in acrylic, steel, vented, curved vented or bifold vented
> Doors can be left or right hand hinged
> Concealed hinges and fasteners
> Quick release hinges and latches
> Vertical power rails can be mounted on uprights
> Fans, castors, plinths, cable managers and chimneys are available
> Large cable access entry in the roof provides access for overhead cable egress
> Side panel with ventilation at the bottom allows for passive airflow throughout the cabinet
> Ripple Black Gloss is the standard colour
> Other colours are available upon request. Minimum order quantity applies
> Flat pack option available
> Complies with IEC 60297 and EIA-310

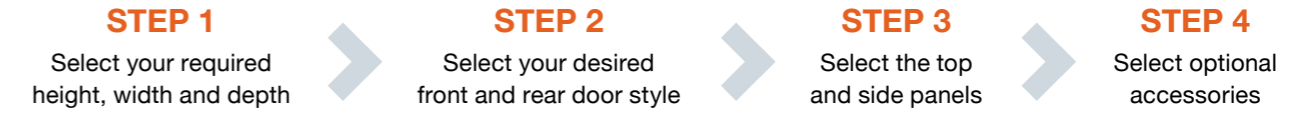## Standard Inclusions

> Cabinet frame
> Front and rear mounting rails with RU markings
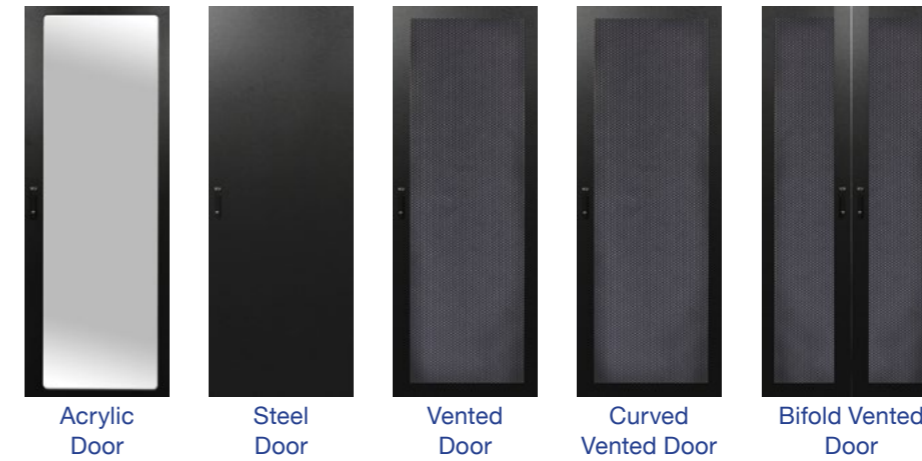> Levelling feet are included with frame heights 38RU and above (set of 4)

Cutouts for fans and large cable access in the roof
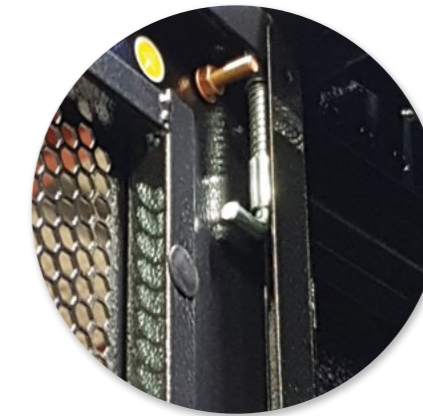
RT2 Series Custom Build Process

STEP 1
Select your required height, width and depth

STEP 2
Select your desired front and rear door style

STEP 3
Select the top and side panels

STEP 4
Select optional accessories

Door Options

Acrylic Door

Steel Door

Vented Door

Curved Vented Door

Bifold Vented Door

Side Panel

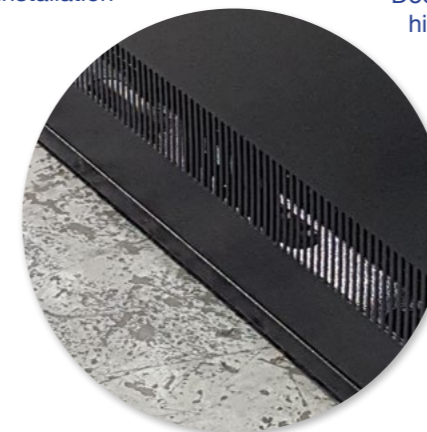Vented Side Panel

Adjustable mounting rails with RU markings facilitate quick installation

Doors have quick release hinges and latches for easy installation

Vertical power rails can be mounted on uprights to save RU space

Side panel with ventilation allows air to flow throughout the cabinet

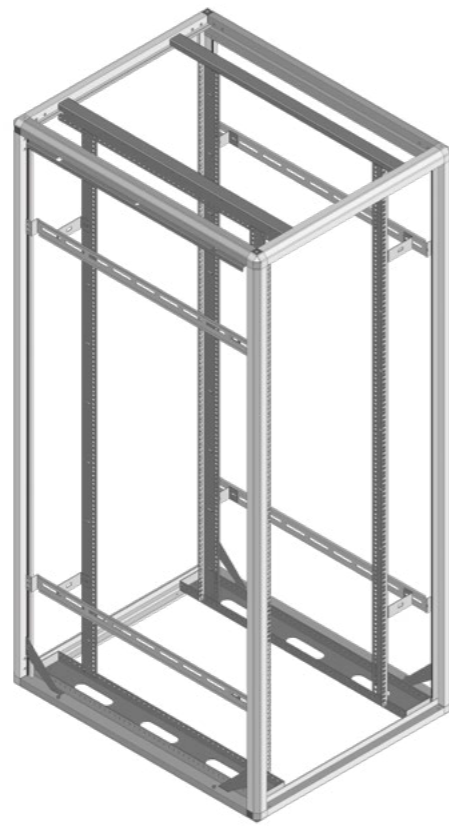Three-point locking system can be retrofitted to doors for additional security

Frame Size
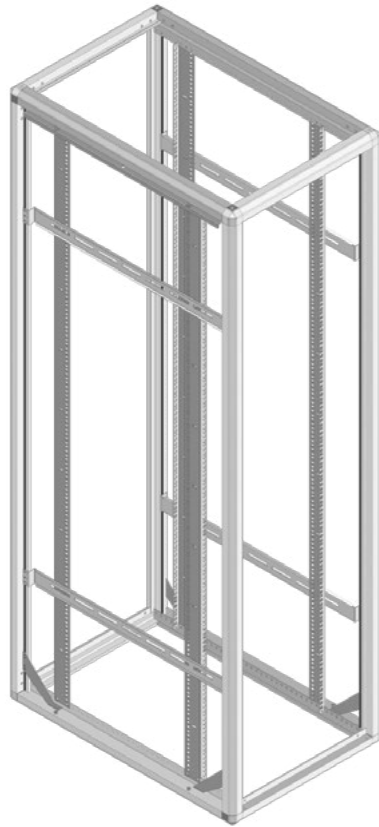
600W Cabinet Frame Assembly

800W Cabinet Frame Assembly

Available Height

12RU, 18RU, 27RU, 38RU, 42RU and 45RU

Available Depth

600mm, 800mm, 900mm, 1000mm and 1200mm

Available Width

600mm and 800mm

Accessories

› Doors
› Top Panels
› Side Panels
› Fans
› Power Rails
› Cable Management
› Cabinet Plinth and Plinth Gland
› Castors (Set of 4)
› Acoustic Foam Kit
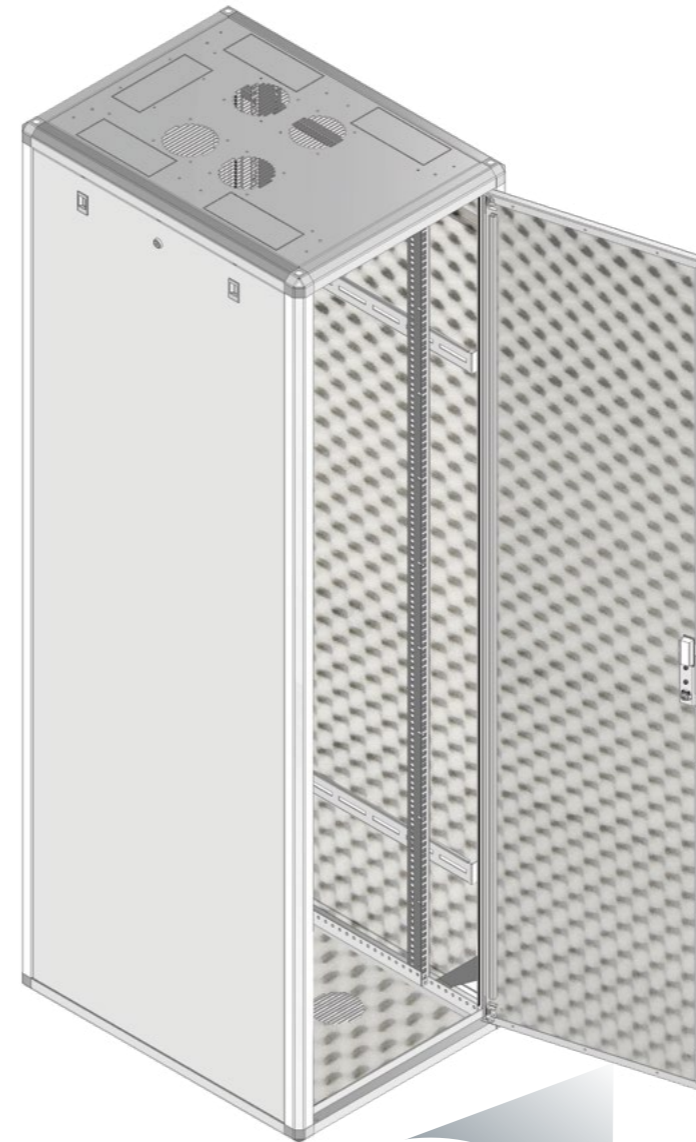› Flat pack option available

Cabinet Plinth

Cabinet Plinth Gland

Castors (Set of 4)

Acoustic Management

The RT2 Series optional Acoustic Foam Kit is ideal for environments where people are in close proximity to cabinets populated with noisy IT equipment such as servers, switches and UPS systems.

The Acoustic cabinet is designed to reduce noise output for a more comfortable environment.

Excess heat generated by the active equipment needs to be managed carefully. We recommend thermostatically controlled and whisper quiet fan kits to assist with better airflow management and to ensure heat is dissipated correctly.

The thermostat enables you to set the temperature and fan speed, which also helps manage the noise level of the fans kits.

The attenuation foam reduces the decibel rating dramatically, ensuring a pleasant and enjoyable workplace, which also minimises health issues.

Standard Inclusions

› RT2 Series frame
  (Choose the frame size W x H x D)
› Equipment rails with RU markings
› Front and rear lockable solid steel doors
› Lockable and removable side panels
› Top panel
› Bottom panel
› Acoustic foam
› Levelling feet

Optional Inclusion

› Whisper quiet 2, 4 or 6 fan trays
› Fan trays available with a top or bottom mount depending on application and environment
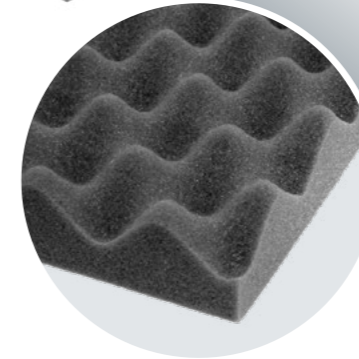
RT2 Series Cabinets

Table (12RU – 27RU)

RU	Height	Width	Depth	Frame	Acrylic	Vented	Curved Vented	Steel	Vented Bi-Fold	Side Panel^ Vented	Top Panel Standard	Plinth	Gland Plate	Castors
12RU	656	600	600	RT1203	RT1211	RT1223	RT1223 - CURVED	RT1221	RT1223 - BIFOLD	RT1233	RT4583	RT9051	9232-RB	9040-M
			800	RT1204						RT1234	RT4584	RT9052		
			900	RT1210						RT1236	RT4589	RT9151		
			1000	RT1201						RT1238	RT4591	RT9153		
			1200	RT1208						RT1239	RT4596	RT9174		
		800	600	RT1205	RT1212	RT1214	RT1214 - CURVED	RT1222	RT1214 - BIFOLD	RT1233	RT4585	RT9150	9232-RB	9040-M
			800	RT1206						RT1234	RT4586	RT9069		
			900	RT1200						RT1236	RT4590	RT9152		
			1000	RT1207						RT1238	RT4592	RT9156		
			1200	RT1209						RT1239	RT4595	RT9175		
18RU	925	600	600	RT1803	RT1811	RT1823	RT1823 - CURVED	RT1821	RT1823 - BIFOLD	RT1833	RT4583	RT9051	9232-RB	9040-M
			800	RT1804						RT1834	RT4584	RT9052		
			900	RT1810						RT1836	RT4589	RT9151		
			1000	RT1801						RT1838	RT4591	RT9153		
			1200	RT1808						RT1839	RT4596	RT9174		
		800	600	RT1805	RT1812	RT1814	RT1814 - CURVED	RT1822	RT1814 - BIFOLD	RT1833	RT4585	RT9150	9232-RB	9040-M
			800	RT1806						RT1834	RT4586	RT9069		
			900	RT1800						RT1836	RT4590	RT9152		
			1000	RT1807						RT1838	RT4592	RT9156		
			1200	RT1809						RT1839	RT4595	RT9175		
27RU	1325	600	600	RT2703	RT2711	RT2723	RT2723 - CURVED	RT2721	RT2723 - BIFOLD	RT2733	RT4583	RT9051	9232-RB	9040-M
			800	RT2704						RT2734	RT4584	RT9052		
			900	RT2710						RT2736	RT4589	RT9151		
			1000	RT2701						RT2738	RT4591	RT9153		
			1200	RT2708						RT2739	RT4596	RT9174		
		800	600	RT2705	RT2712	RT2714	RT2714 - CURVED	RT2722	RT2714 - BIFOLD	RT2733	RT4585	RT9150	9232-RB	9040-M
			800	RT2706						RT2734	RT4586	RT9069		
			900	RT2700						RT2736	RT4590	RT9152		
			1000	RT2707						RT2738	RT4592	RT9156		
			1200	RT2709						RT2739	RT4595	RT9175		

Table (38RU – 45RU)

RU	Height	Width	Depth	Frame	Acrylic	Vented	Curved Vented	Steel	Vented Bi-Fold	Side Panel^ Vented	Top Panel Standard	Plinth	Gland Plate	Castors
38RU	1815	600	600	RT3803	RT3811	RT3823	RT3823 - CURVED	RT3821	RT3823 - BIFOLD	RT3833	RT4583	RT9051	9232-RB	9040-M
			800	RT3804						RT3834	RT4584	RT9052		
			900	RT3810						RT3836	RT4589	RT9151		
			1000	RT3801						RT3838	RT4591	RT9153		
			1200	RT3808						RT3839	RT4596	RT9174		
		800	600	RT3805	RT3812	RT3814	RT3814 - CURVED	RT3822	RT3814 - BIFOLD	RT3833	RT4585	RT9150	9232-RB	9040-M
			800	RT3806						RT3834	RT4586	RT9069		
			900	RT3800						RT3836	RT4590	RT9152		
			1000	RT3807						RT3838	RT4592	RT9156		
			1200	RT3809						RT3839	RT4595	RT9175		
42RU	1992	600	600	RT4203	RT4211	RT4223	RT4223 - CURVED	RT4221	RT4223 - BIFOLD	RT4233	RT4583	RT9051	9232-RB	9040-M
			800	RT4204						RT4234	RT4584	RT9052		
			900	RT4210						RT4236	RT4589	RT9151		
			1000	RT4201						RT4238	RT4591	RT9153		
			1200	RT4208						RT4239	RT4596	RT9174		
		800	600	RT4205	RT4212	RT4214	RT4214 - CURVED	RT4222	RT4214 - BIFOLD	RT4233	RT4585	RT9150	9232-RB	9040-M
			800	RT4206						RT4234	RT4586	RT9069		
			900	RT4200						RT4236	RT4590	RT9152		
			1000	RT4207						RT4238	RT4592	RT9156		
			1200	RT4209						RT4239	RT4595	RT9175		
45RU	2125	600	600	RT4503	RT4511	RT4523	RT4523 - CURVED	RT4521	RT4523 - BIFOLD	RT4533	RT4583	RT9051	9232-RB	9040-M
			800	RT4504						RT4534	RT4584	RT9052		
			900	RT4510						RT4536	RT4589	RT9151		
			1000	RT4501						RT4538	RT4591	RT9153		
			1200	RT4508						RT4539	RT4596	RT9174		
		800	600	RT4505	RT4512	RT4514	RT4514 - CURVED	RT4522	RT4514 - BIFOLD	RT4533	RT4585	RT9150	9232-RB	9040-M
			800	RT4506						RT4534	RT4586	RT9069		
			900	RT4500						RT4536	RT4590	RT9152		
			1000	RT4507						RT4538	RT4592	RT9156		
			1200	RT4509						RT4539	RT4595	RT9175		

Racks Vs Cabinets

Data centres are continuously impacted by the rapid developments and improvements in technology.

Efficient power usage is a major focus for data center installations and there has been a shift towards enclosed cabinets as opposed to open frame racks.

Despite the latest trend towards using enclosed cabinets, open frame racks still present a viable solution for many data centres.

While there is no right or wrong decision when it comes to choosing an enclosed cabinet versus an open frame rack, it's worth considering the advantages and disadvantages of both systems.

Open Frame Rack – Advantages

Open frames are suitable for a variety of applications including supporting active equipment such as switches and servers to provide a cable patching platform.

Cost is the number one reason for selecting an open frame rack versus an enclosed cabinet. A complete rack solution including cable management accessories can be half to a third of the cost of an equivalent enclosed cabinet configuration.

Secondly, open frame racks are designed to allow unobstructed airflow while also enabling easy access to the equipment and cabling. The absence of side panels facilitates easy access even when active equipment and cables have been installed.

Thirdly, two-post open frame racks provide the most efficient use of floor space in a data centre, while the four-post open frame racks are suitable for supporting large and heavy equipment as they provide front and rear support with greater stability.

Finally, open frame racks offer the best solution for cable management. Access is not restricted by side panels or walls, enabling the installation of wide and deep vertical cable managers along both sides of the frame for optimal cable management.

Open Frame Rack – Disadvantages

Poor security and aesthetics can be a consequence of the cost savings of an open frame rack. The active equipment is exposed to dirt and debris that can cause damage to the fans and other products.

As the equipment, cables and cable managers are clearly visible, they can create an unpleasant appearance, especially if they are not maintained.

Enclosed Cabinet – Advantages

Two key reasons for choosing an enclosed cabinet are airflow management and security.

As the demand for technologies in relation to cloud computing and storage are increasing, equipment density per rack is also increasing as well as the associated cooling requirements.

With the use of built-in features and specially designed spaces, it is possible to create an effective separation between hot and cold air, improving cooling efficiency.

Enclosed cabinets offer the best simple solution for a variety of air segregation strategies including:

> Cabinet level containment
> Cold Aisle Containment
> Hot Aisle Containment

Enclosed cabinets provide a higher level of physical security to open frame racks. Different types of locking systems are available to protect sensitive data from unauthorised access.

Enclosed Cabinet – Disadvantages

Enclosed cabinets make maintenance operations difficult due to the restricted accessibility. The cost of enclosed cabinets are prohibitive for many data centres, especially small operations or start-up businesses.

"Choosing the right option for an installation often comes down to a balance between efficiency and the specific requirements of the project."

Making the best choice

When comparing open frame racks to enclosed cabinets, it is important to consider all the factors that will impact on the life of the installation and choose a solution that will best serve the core requirements.

In summary, an enclosed cabinet will always provide greater security and better control of airflow, while an open frame rack can still be a viable option for housing a moderate amount of IT equipment or used as a main patching frame.

Open frame racks are also cost-effective, easy to access and durable, which makes them a suitable option for telecom equipment, servers or networking with a relative low power load where cooling requirements are not a major concern.

iQ Series
iQ Open Frame

The iQ Series is a quality 19" cabinet range that also provides versatility, suitable for many applications.

The iQ Open Frame System is designed for high density cabling and patching.

iQ Series – Premium Cabinet Range

The iQ Series is a premium quality cabinet range providing flexible solutions for a variety of applications.

The cabinets are aisle containment ready with mounting holes in place for optional accessories including vertical air dams, vertical cable management and base plates.

The cabinets can be equipped with the Racktech iQ cable management system ideal for large volumes of cables and patch leads.

Features

> Strong frame designed with heavy-gauge mounting rails enable 1400kg static loads with levelling feet and 1000kg dynamic loads with castors
> Vented front door with curved profile allows for more airflow with 70% perforation
> Integrated Electrical Grounding for roof, side panels, doors and frame
> Vertical mounting rail and integrated alignment feature enables quick installations
> Roof panel is reversible to reposition the larger cable entries if required
> Large cable access entry points in the roof provides access for overhead cable egress
> Fans, castors, cable managers, PDU trays and chimneys are available
> Black is the standard colour. Other colours are available upon request. MOQ applies

Standard Inclusions

> Curved vented front door
> Split vented rear door
> Split side panels
> Top panel
> Front and rear mounting rails
> Levelling feet (set of 4)

Typical iQ Series Cabinet

Integrated Electrical Grounding

Optional Vertical Cable Managers

Rail Alignment Feature

iQ Series Construction

Frame

> Strong frame design with heavy-gauge mounting rails
> Static load ratings 1400kg on levelling feet
> Dynamic load ratings 1000kg with castors

Doors

> Simple lift-off front door design with swing to 155°
> Front door can be hinged on the left or right hand side or interchanged with rear door
> Curved vented front door provides a modern appearance and practical ventilation solution
> Vented front and rear doors provide airflow for servers and networking equipment
> Split rear doors improve access and serviceability to rear of rack mounted equipment
> Doors are fitted with swing handle and lock
> Front and rear doors are earthed using wiring supplied

Split Side Panels

Side Panels

> Half height quick release side panels reduce size and weight for easy handling and access
> Side panels are lockable using a single key provided

Mounting rails and brackets

> Vertical mounting rails can be easily adjusted
> RU positions are numbered on front and rear mounting rails to help with quick installation

Earthing System

> Integrated earthing system on frame

Flexible Solutions

Cabinets are aisle containment ready with mounting holes in place for optional accessories including:

› Vertical air dams
› Vertical cable management
› Base plates

› Roof can be removed for access during installation or with cabling already in place
› Roof is reversible to reposition the larger cable entries for power distribution plugs and connectors
› Large cable access points in the roof enables access for overhead cable egress. The bottom panel allows for unobstructed cable access through a raised floor

› A strong frame designed with heavy-gauge mounting rails enable 1400kg static loads with levelling feet and 1000kg dynamic loads with castors

› Levelling feet are supplied as standard and castors are sold separately

Vertical mounting rails can be adjusted to suit any mounting equipment

Adjustment features are integrated into the cabinet for quick and easy alignment

RU positions are numbered front and back, assisting with quick equipment installation

Cabinets	Height (mm)			Width (mm)	Depth (mm)		Part Number
RU	On Frame	On Levelling Feet	On Castors		Frame to Frame	Door to Door	
45RU	2079	2099	2127	600	1000	1090	iQS6045V
					1200	1290	iQS6245V
				800	800	890	iQS8845V
					1000	1090	iQS8045V
					1200	1290	iQS8245V

Note: *Cabinets are supplied with curved front door, split rear door, two side panels and levelling feet as standard inclusions.

Top Panel Cut-out Dimensions

600 Wide Cabinets

1000 and 1200 Deep
two 130 x 448mm
six 100 x 100mm
four 60mm diameter cut-outs
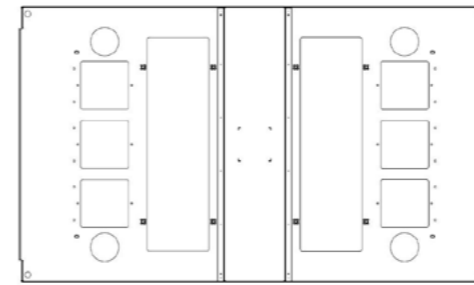
Top panel showing cable access areas
Two – 130 x 448mm, Six – 100 x 100mm, Four – 60mm Ø

800 Wide Cabinets

800 Deep
one 448 x 130mm
four 203 x 76mm cut-outs
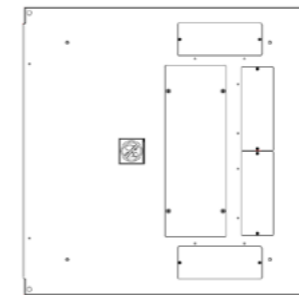
Top panel showing cable access areas
One – 130 x 448mm, Four – 76 x 203mm

1000 and 1200 Deep
two 448 x 130mm
six 203 x 76mm cut-outs
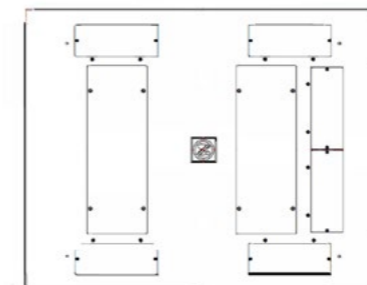
Top panel showing cable access areas
Two – 130 x 448mm, Six – 76 x 203mm

iQ Series Accessories

Part Number	Description
iQS9501	iQS Caster Wheels (set of 4)
iQS9502	iQS Rack Bolt Down Kit (set of 2)
iQS9503	iQS Baying Kit (set of 4)
iQS9505	iQS Vertical PDU/Cable Management Tray 45RU
iQS9507	iQS Vertical Cable Manager with 3.25" Hoops 45RU
iQS9512	iQS Base Plate 800 x 1000 Black
iQS9513	iQS Base Plate 800 x 1200 Black
iQS9514	iQS Brush Cable Entry 93 x 228 for 800W Top Panel
iQS9515	iQS Brush Cable Entry 482 x 165 for 600W and 800W Top Panel
iQS9517	iQS Side Channel Cover (cut-out 45 x 280) 800W 45RU with Plastic Cover Assembly
iQS9518	iQS Cable Entry Brush Strip Plate Black
iQS9520	iQS Side Channel Cover (cut-out 85 x 830) 800W 45RU with Brush Assembly
iQS9521	iQS Roof Mount Fan Tray (3 fans) 220V (includes T30 Screw and AC Power Cord)
iQS9522	iQS Vertical Cable Management with 6" Finger Guide 22.5RU Single Row (set of 2)
iQS9523	iQS Vertical Cable Management with 6" Finger Guide 22.5RU Double Row (set of 2)
iQS9527	iQS Brush Cable Entry 115 x 115 for 600W Top Panel
iQS9528	iQS Plinth Base 800W x 1000D x 100H
iQS9529	iQS Plinth Base 800W x 1200D x 100H
iQS9531	iQS Cabinet 45RU 300W Vertical PDU/Cable Tray
iQS9532	iQS Cabinet 45RU 400W Vertical PDU/Cable Tray
iQS9533	iQS Cabinet Cable Chimney 450W x 130D x 1200H for 600 wide and 800 wide cabinets
iQS9534	iQS Cabinet Cable Chimney 200W x 76D x 1200H for 800W cabinets
iQS9538	iQS Vertical PDU Tray 45RU 80W

Note: The above accessories are only suitable for iQ Series cabinets.

iQ Open Frame – System

The iQ Open Frame has been designed specifically for high density cabling and patching applications suitable for communication rooms and data centres.

There are several cable management options available utilising the Racktech T-Finger vertical cable manager design available in widths of 150mm, 300mm and 400mm.

The iQ Open Frame rack can be bayed as many times as required with the vertical cable management system.

The 2-way hinged door cover design allows for ease of cable management as well as a neat and tidy finish.

The iQ Series 2-post open frame has a 500kg load rating (dependent on application) and the 4-post open frame has a 1000kg load rating. Standard colour is Black.

iQ Open Frame System

RU	Height	Width	Depth	Frame
38RU	1748			iQOF3801
45RU	2150	515	145	iQOF4501
52RU	2462			iQOF5201

Note: The iQ Open Frame system is available in flat pack only, assembly required.

Adjustable Joiner Kit

The adjustable joiner kit is used to join the frames together, turning a 2-post frame into a 4-post frame. The kit enables the depth of the rack to be manually adjusted to accommodate equipment.

Part No.	Description
iQOF9511	Adjustable Joiner Kit for 600mm to 1000mm
iQOF9514	Adjustable Joiner Kit for 400mm to 600mm

Adjustable Joiner

511

410

Open Frame Footprint

2-post
frame assembly

4-post
frame assembly

ADJUSTABLE DEPTH
ADJUSTABLE DEPTH

1. Open Frame
2. Adjustable Joiner Kit
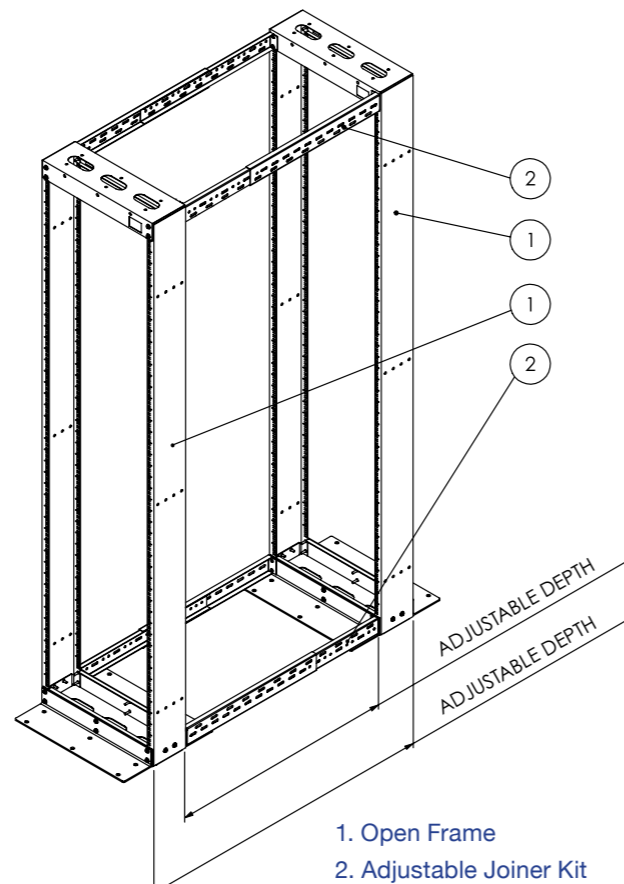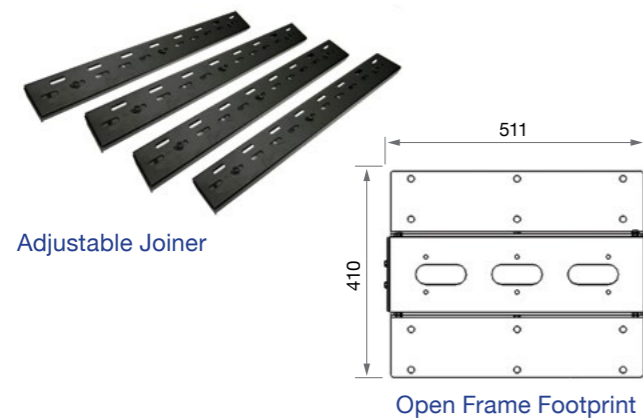
Cable Management

The T-Finger Vertical Cable Management System is designed to handle high density cabling for termination or patching applications.

This system ensures neat cabling and adherence to bend radius requirements. A hinged door cover conserves any unsightly cables and has the ability to swing left or right for ease of cable installation.

The T-Fingers are mounted in 2RU increments and can be removed to allow the bending and entry of larger cable bundles via the top, bottom, left or right. The fingers are available in 93mm and 146mm lengths.

4-post open frame with cable managers

2-post open frame with cable managers

iQ Open Frame – Vertical Cable Management

Vertical cable managers can be supplied with either a basic cover including plastic clips that attach directly to the vertical T-Finger (iQOF) or a dual swing door with two-point latching mechanism that is a stand alone design separate to the vertical T-Finger (iQSOF).

iQOF

93mm T-Fingers

RU	150mm	300mm	400mm
38RU	iQOF3820	iQOF3840	iQOF3850
45RU	iQOF4520	iQOF4540	iQOF4550
52RU	iQOF5220	iQOF5240	iQOF5250

145mm T-Fingers

RU	150mm	300mm	400mm
38RU	iQOF3820-150	iQOF3840-150	iQOF3850-150
45RU	iQOF4520-150	iQOF4540-150	iQOF4550-150
52RU	iQOF5220-150	iQOF5240-150	iQOF5250-150

iQSOF

93mm T-Fingers

RU	150mm	300mm
45RU	iQSOF4520	iQSOF4540
52RU	iQSOF5220	iQSOF5240

145mm T-Fingers

RU	150mm	300mm
45RU	iQSOF4520-150	iQSOF4540-150
52RU	iQSOF5220-150	iQSOF5240-150

93mm T-Fingers   **145mm T-Fingers**

iQOF Dual Swing Cover – clip type
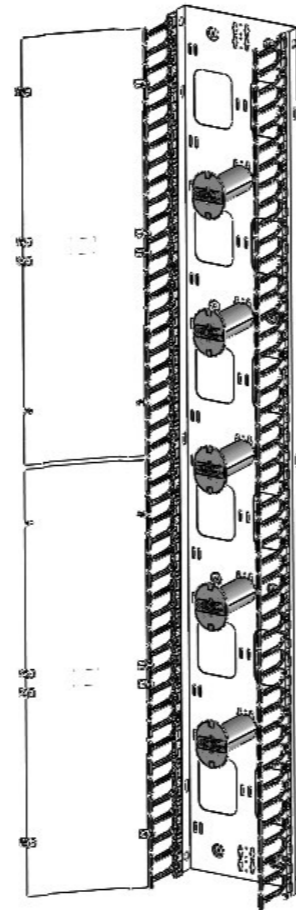
iQOF Dual Swing Cover – cable manager fitted with optional cable spools
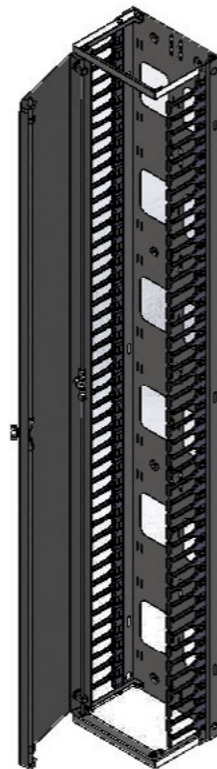
iQSOF Dual Swing Door

Recommended iQ Open Frame Assembly Configuration

iQOF4540
iQOF9503
iQOF9502
iQOF9504
iQOF9505
iQOF9501
iQOF4501
iQOF4520
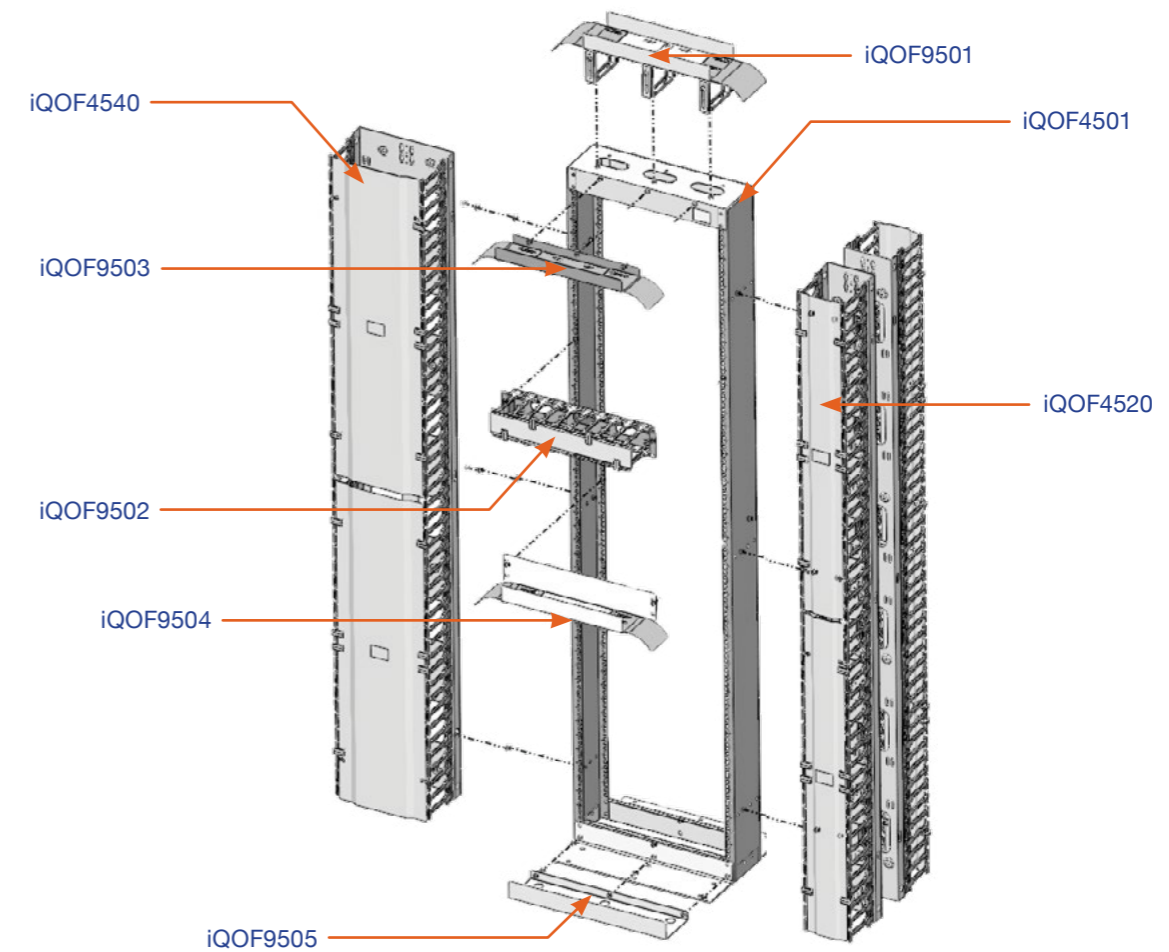
iQ Open Frame – Horizontal Cable Management

Horizontal cable managers maximise capacity for routing cables and ensure cable bending radii are met.

93mm T-Fingers

RU	Part Number
93mm T-Fingers	
1RU	iQOF9509
2RU	iQOF9502
4RU	iQOF9512
146mm T-Fingers	
1RU	iQOF9509-150
2RU	iQOF9502-150
4RU	iQOF9512-150

Cable Supports

iQOF9501

iQOF9503

iQOF9504

iQOF9505

> Supports and ensures bending radii are met
> Allows the entry of cables within the frame

Part Number	Description
iQOF9501	Adjustable Top Water Fall Tray (Height adjustable to 60mm)
iQOF9503	Top Water Fall Support Tray (To route leads between managers)
iQOF9504	2RU Horizontal Cable Tray (To route leads between managers)
iQOF9505	Bottom Cable Tray (Used to take up the slack of leads)

Cable Slack Spool

Cable slack spools are used for both copper and fiber allowing minimum bend radius where the slack of the cable length is to be spooled inside the vertical management channels.

Part Number	Length
iQOF9506	70
iQOF9507	140
iQOF9508	210 (For extended finger and brackets only).

Stiffener Plate

> Optional product to support Open Frames

Part Number	Description
iQOF9513	Used for 150mm, 300mm and 400mm wide managers

Cable Capacity Tables

Vertical Cable Managers for Open Frames

Part Number	Description	Cable Manager Specification			Recommended Cable Capacity				Maximum Cable Capacity			
		Interior width (mm)	Interior depth (mm)	Usable area (mm²)	Cat 5e	Cat 6	Cat 6a	Cat 7/6a shielded	Cat 5e	Cat 6	Cat 6a	Cat 7/6a shielded
iQOFXX20	150mm wide cab/man 93mm T-Fingers	131.00	173.0	22663.0	238	188	100	128	477	375	200	2 56
iQOFXX40	300mm wide cab/man 93mm T-Fingers	281.00	173.0	48613.0	512	403	214	275	1023	805	428	550
iQOFXX50	400mm wide cab/man 93mm T-Fingers	381.00	173.0	65913.0	694	546	290	373	1387	1092	581	746
iQOFXX20-150	150mm wide cab/man 146mm T-Fingers	131.00	235.0	30785.0	324	255	136	174	648	510	271	348
iQOFXX40-150	300mm wide cab/man 146mm T-Fingers	281.00	235.0	66035.0	695	547	291	374	1390	1094	582	747
iQOFXX50-150	400mm wide cab/man 146mm T-Fingers	381.00	235.0	89535.0	942	741	394	507	1884	1483	789	1013

Note: XX in Part Number = RU. For example: iQOF4540.

Vertical Cable Managers for Cabinets

Part Number	Description	Cable Manager Specification			Recommended Cable Capacity				Maximum Cable Capacity			
		Interior width (mm)	Interior depth (mm)	Usable area (mm2)	Cat 5e	Cat 6	Cat 6a	Cat 7/6a shielded	Cat 5e	Cat 6	Cat 6a	Cat 7/6a shielded
iQCMXX60	800mm wide cabinets 93mm T-Fingers	61.5	158.5	9747.8	103	81	43	55	205	161	86	110
iQCMXX60-150	800mm wide cabinets 146mm T-Fingers	61.5	220.5	13560.8	143	112	60	77	285	225	119	153

Note: XX in Part Number = RU. For example: iQCM4560.

rt racktech

Class C and 🔒 Class B Series

Racktech Class C and Class B Series cabinets are manufactured to the stringent standards required by the Security Construction and Equipment Committee (SCEC).

Horizontal Cable Managers

Part Number	Description	Cable Manager Specification			Recommended Cable Capacity				Maximum Cable Capacity			
		Interior width (mm)	Interior depth (mm)	Usable area (mm2)	Cat 5e	Cat 6	Cat 6a	Cat 7/6a shielded	Cat 5e	Cat 6	Cat 6a	Cat 7/6a shielded
iQOF9509	1RU horizontal cab/man 93mm T-Fingers	25.5	127	3238.5	34	27	14	18	68	54	29	37
iQOF9502	2RU horizontal cab/man 93mm T-Fingers	68	127	8636	91	72	38	49	182	143	76	98
iQOF9512	4RU horizontal cab/man 93mm T-Fingers	153	127	19431	204	161	86	110	409	322	171	220
iQOF9509-150	1RU horizontal cab/man 146mm T-Fingers	25.5	188	4794	50	40	21	27	101	79	42	54
iQOF9502-150	2RU horizontal cab/man 146mm T-Fingers	68.5	188	12878	136	107	57	73	271	213	113	146
iQOF9512-150	4RU horizontal cab/man 146mm T-Fingers	154	188	28952	305	240	128	164	609	479	255	328

Note:

These tables list the estimated cable capacity only. The cable capacity is estimated based on 5.5mm OD Cat 5e, 6.2mm OD Cat 6, 8.5mm OD Cat 6a and 7.5mm OD Cat 7/6a shielded 4-pair UTP horizontal cable.

Cable OD varies with different size cables and specific manufacturer's cable types. To calculate recommended cable capacity for other size cables, divide the product's usable area by the area of the cable and multiply by 25% (50% for maximum fill). While every effort has been made to ensure the accuracy of all information, Racktech does not accept liability for any errors or omissions.

Class C and Class B Series – SCEC Endorsed Cabinets

Racktech Class C and Class B Series cabinets provide high-level security for data and communications equipment used in a secure network environment.

Racktech Class C and B equipment racks have been endorsed by the Security Construction and Equipment Committee (SCEC) for the protection of classified equipment applications.

Class C Cabinet

> All frames are manufactured from corrosion resistant 2mm zinc annealed steel and fully welded with load ratings up to 800kg
> Solid side panels are internally secured

> Doors are manufactured using 1.5mm corrosion resistant zinc annealed steel and perforations are maximised to improve the ability to dissipate heat
> Each SCEC endorsed door includes a 6mm anti-drill plate and an independent locking mechanism. Door styles available include solid, window or vented

> Solid bottom panel is secured internally to provide a sturdy and stable platform that will protect classified equipment
> The standard colour is grey nurse and other colours are available
> Standard sizes are ex-stock

Standard Inclusions

> SCEC endorsed cabinet frame with front and rear mounting rails
> Left and right solid side panels fixed internally
> Front and rear vented door with Class C and B locking system
> 2 x PDU trays mounted at rear
> 1 x 100mm wide cable tray
> Levelling feet
> 800mm wide cabinet includes 2 x pipe baffle – one fitted top LHS and RHS
> 600mm wide cabinet includes 1 x baffle box fitted top rear

> All cabinets come with a unique serial number that is displayed on the label and key
> Provide high level security for data and communications equipment used in secure network environments

> RU positions are numbered front and back for quick installation
> SCEC endorsed racks come with cable baffle pipe or cable baffle box as standard (depends on cabinet width, see standard inclusions above)
> PDU tray

Cable Baffle Box

Class C SCEC Wall Mount Cabinet

Class C SCEC Wall Mount showing optional Baffle Box in bottom of rack

Class B Cabinet

Wall Mounted Cabinets

RU	Height (mm)			Width (mm)	Depth (mm)	Part Number
	Frame	Levelling Feet	Castors			
Class C						
12RU	702	717	755	600	650	RTCW6612
Class B						
12RU	702	717	755	600	650	RTBW6612

Floor Standing Cabinets

RU	Height (mm)			Width (mm)	Depth (mm)	Part Number
	Frame	Levelling Feet	Castors			
Class C						
18RU	968	983	1022	600	800	RTC6818
42RU	2035	2050	2089	600	800	RTC6842
	2035	2050	2089	600	1050	RTC6042
	2035	2050	2089	600	1200	RTC6242
	2035	2050	2089	800	800	RTC8842
	2035	2050	2089	800	1050	RTC8042
	2035	2050	2089	800	1200	RTC8242
45RU	2169	2184	2222	600	800	RTC6845
	2169	2184	2222	600	1050	RTC6045
	2169	2184	2222	600	1200	RTC6245
	2169	2184	2222	800	800	RTC8845
	2169	2184	2222	800	1050	RTC8045
	2169	2184	2222	800	1200	RTC8245
Class B						
18RU	968	983	1022	600	800	RTB6818
42RU	2035	2050	2089	600	800	RTB6842
	2035	2050	2089	600	1050	RTB6042
	2035	2050	2089	600	1200	RTB6242
	2035	2050	2089	800	800	RTB8842
	2035	2050	2089	800	1050	RTB8042
	2035	2050	2089	800	1200	RTB8242
45RU	2169	2184	2222	600	800	RTB6845
	2169	2184	2222	600	1050	RTB6045
	2169	2184	2222	600	1200	RTB6245
	2169	2184	2222	800	800	RTB8845
	2169	2184	2222	800	1050	RTB8045
	2169	2184	2222	800	1200	RTB8245

Cable Baffle Box

Class C and B Series Accessories

Part Number	Description
RTC-BAFFLE-L800W	Class C and B Cable Raffle Large for 800W Cabinets
RTC-BAFFLE-M800W	Class C and B Cable Raffle Medium for 800W Cabinets
RTC-BAFFLE-S800W	Class C and B Cable Raffle Small for 800W Cabinets
RTC-BAFFLE-XL800W	Class C and B Cable Raffle Extra Large for 800W Cabinets
RTC-6FAN	Class C and B 6 Fan Tray Door, Roof Mount for 800W, 1050D and 1200D Cabinets
RTC-3FAN	Class C and B 3 Fan Tray Door, Roof Mount
RTCBF-BAYING-KIT	Class C and B Baying Kit
RTC-CM42RU600W	Class C and B Cabinet Vert CM 42RU 600W – Left and Right
RTC-CM42RU800W	Class C and B Cabinet Vert CM 42RU 800W – Left and Right
RTC-CM45RU600W	Class C and B Cabinet Vert CM 45RU 600W – Left and Right
RTC-CM45RU800W	Class C and B Cabinet Vert CM 45RU 800W – Left and Right

Note: Accessories only suitable for Class C and B Series cabinets.

Multi-user Telecommunication Outlet (MUTO Box)

Racktech secure multi-user telecommunication outlets are a quality defence ready enclosure suitable for Government and High Density applications.

Available in standard configurations and a range of standard colours or able to be customised for specific project requirements.

Part Number	Description
RTC-MUTO-RD	Muto Enclosure Red 150 x 150 x 44.2 8 x SC Duplex 3mm Clear Acrylics – Top Secret Security
RTC-MUTO-WT	Muto Enclosure White 150 x 150 x 44.2 8 x SC Duplex 3mm Clear Acrylics – Unclassified Security

Class C and Class B Locking Mechanism 🔒

CLASS C   CLASS B

Racktech Class C and Class B cabinets provide high-level security for data and communications equipment used in secure network environments.

The Racktech Class C and Class B equipment is endorsed by the Security Construction and Equipment Committee (SCEC) for the protection of classified equipment.

rt racktech

IP Series

Racktech's IP Series cabinets are designed to protect sensitive data network equipment. Suitable for internal and heavy duty outdoor applications.

Providing rack solutions since 1990

IP Series – IP Rated Cabinets

The Racktech IP Series cabinets are IP66 rated and designed to protect sensitive data network equipment. The cabinets are precision built to ensure a consistent high quality.

The strong powdercoated galvanised steel cabinets are suitable for internal environments and heavy-duty outdoor applications.

Our current stocked range of IP Series cabinets and accessories is listed below.

Customised cabinets (27RU to 45RU) are also available upon request with minimum order quantities.

Field Cabinet

Part Number	Field Cabinet
IPF7618	IP66 Field Cabinet 18RU 700W x 600D – Grey
IPF7624	IP66 Field Cabinet 24RU 700W x 600D – Grey

Wall Mount Cabinet

Part Number	Description
IPW7606	IP66 Wall Mount Cabinet 6RU 700W x 600D – Grey
IPW7612	IP66 Wall Mount Cabinet 12RU 700W x 600D – Grey
IPW7618	IP66 Wall Mount Cabinet 18RU 700W x 600D – Grey

Filter and Fan

Part Number	Filter and Fan
IPFLTRKIT150	IP54 Filter 150mm with Vent Hood 320H
IPFANKIT150	IP54 Fan 150mm with Vent Hood 320H

IP Series Field Cabinet

IP Series Wall Mount Cabinet

IP54 Fan – front view

IP54 Fan – rear view

IP54 Filter

Vented Hood

Features

› IP66-rated enclosures are suitable for various environments

› Body, door, mounting plate and rail are constructed from 1.5mm galvanised steel

› Previously fitted blind nutsets used for mounting brackets and accessories saves assembly and installation time

› Door opens to 110°

› Cabinet height less than 1000mm have 3mm double bit insert quarter turn lock with key

› Cabinet height greater than 1000mm have three-point locking system with key-lock swing handle

› High quality polyurethane foam seal is machine applied to the door perimeter to ensure excellent protection

› Earthing system on frame and door

› Gland plates are incorporated into the bottom face of the enclosure for cable management with gaskets and fasteners provided

Door opens to 110°

Three-point locking system is available

Galvanised steel body and door

Machine applied polyurethane foam seal

Earthing system on frame and door

Gland Plates

PDUs

Racktech supplies a range of Power Distribution Units with a variety of socket and plug configurations in both vertical and horizontal formats.

Considerations when choosing a Power Distribution Unit

A Power Distribution Unit (PDU) is designed to provide electrical protection and distribute power to networking equipment in racks and cabinets.

Outlined below are some considerations before selecting a PDU for your data centre application.

Future requirements

Consider your data centre requirements. Determine the maximum power throughput necessary to support current power capacities and plan ahead for future electrical loads.

As the requirements of data centres change, the PDU performance required will also need to change or be upgraded. This is especially important considering that rack kW is increasing to support higher-density cabinets.

Planning and purchasing for future power requirements can provide cost savings and is preferable to purchasing new equipment after a few years. A basic power rail will last a lifetime.

Three-phase power

Investing in three-phase power is superior to single-phase power for the following reasons:

› Three-phase power keeps amperage low and voltage high, providing cost savings on wiring

› Three-phase power is able to support higher power loads than single-phase power

› Load balancing is easier with three-phase power than with single-phase power

› Three-phase power facilitates scalability, which is vital for long-term operational efficiency

Vertical PDUs

Vertical PDUs have a smaller footprint, require less cabling and support greater scalability.

As space is one of the most important resources in a data centre, traditional horizontal PDU configurations will be suitable for low-density racks, while vertical PDU installations are preferable for high-density racks.

.

Types of PDUs

Modern PDUs come with varying amounts of network connectivity. For many organisations, intelligent PDUs are necessary as they enable remote power monitoring and remote switching. Alternatively, a security conscious business may still find a basic PDU a viable option.

Below we have summarised the features of the different types of PDUs for consideration.

› **Basic PDU:** The basic PDU is a casing with receptacles that provide power. The basic PDU has a long product life as there are fewer electronic components.

› **Metered PDU:** A metered PDU is air-gapped from the network and has a graphical user interface (GUI) that displays real-time power metrics.

Using a secure mobile device, you can scan the GUI to instantly capture and export the power metric data to a report for your records. Some metered PDUs support visible light communication (VLC).

› **Monitored PDU:** These internet-connected PDUs enable you to aggregate and view real-time power metrics including voltage, current, power and more from an intuitive web interface.

They also support interchangeable monitoring devices (IMD's) so that environmental intelligence such as temperature, humidity and dew point can be added. Monitored PDUs allow you to set defined thresholds, that when breached, trigger automatic alerts to staff.

› **Switched PDU:** These PDU's enable you to manage a data centre from a long-distance.

› Switched PDUs let you power cycle individual outlets on the strip from a web interface regardless of your location. For example, if you need to turn a server on and off for maintenance reasons, you can do that from a smartphone from 1,000 km's away from the facility.

Power Distribution Units

Reliable Power Distribution is critical in any data centre environment. Racktech only supplies Power Distribution Units (PDUs) that meet the highest standards.

The Racktech range of PDUs are manufactured to stringent quality standards using high grade materials before being load tested.

With a variety of socket and plug configurations in both vertical and horizontal formats, there are hundreds of combinations available. The following tables show our most popular 'off the shelf' combinations. Please contact our sales team for other power distribution requirements.

Indicator

IEC Power Rail

Circuit Breaker

Standard Power Rail
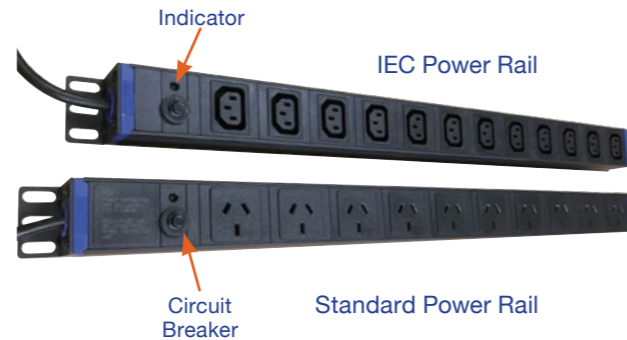
Australian Standard Socket PDU

Socket	Plug		Horizontal		Vertical	
			5 Way	10 Way	10 Way	20 Way
10A		10A	9001-RB	9003-RB	9004 -RB	9005-RB
		15A	9001-RB-15A	9003-RB-15A	9004-RB-15A	9005-RB-15A
		10A IEC	9001-RB-C14	9003-RB-C14	9004-RB-C14	9005-RB-C14
		15A IEC	9001-RB-C20	9003-RB-C20	9004-RB-C20	9005-RB-C20
		10A Captive	9001-RB-CAP10F	9003-RB-CAP10F	9004-RB-CAP10F	9005-RB-CAP10F
		15A Captive	9001-RB-CAP15F	9003-RB-CAP15F	9004-RB-CAP15F	9005-RB-CAP15F
		20A Captive	9001-RB-CAP20F	9003-RB-CAP20F	9004-RB-CAP20F	9005-RB-CAP20F
		20A Captive	9001-RB-CAP20R	9003-RB-CAP20R	9004-RB-CAP20R	9005-RB-CAP20R

IEC Socket PDU

Socket	Plug		Horizontal	Vertical	
			12 Way	12 Way	20 Way
C13		10A	9012-RB	9008 -RB	9009-RB
		15A	9012-RB-15A	9008-RB-15A	9009-RB-15A
		10A IEC	9012-RB-C14	9008-RB-C14	9009-RB-C14
		15A IEC	9012-RB-C20	9008-RB-C20	9009-RB-C20
		10A Captive	9012-RB-CAP10F	9008-RB-CAP10F	9009-RB-CAP10F
		15A Captive	9012-RB-CAP15F	9008-RB-CAP15F	9009-RB-CAP15F
		20A Captive	9012-RB-CAP20F	9008-RB-CAP20F	9009-RB-CAP20F
		20A Captive	9012-RB-CAP20R	9008-RB-CAP20R	9009-RB-CAP20R

Combination Vertical PDU 20 Way

Socket	Plug		18 x C13 and 2 x C19
C13x18 C19x2		15A	9019-RB-15A
		15A IEC	9019-RB-C20
		15A Captive	9019-RB-CAP15F
		20A Captive	9019-RB-CAP20F
		20A Captive	9019-RB-CAP20R

Standard Mains

10A IEC (C14)

15A IEC (C20)

15A Captive Flat Pin

20A Captive Flat Pin

20A Captive Round Pin

Intelligent PDUs

The industry push for efficiency has some end users and industry professionals seeking accurate and effective means to manage their critical power resources so that they can remotely monitor their energy efficiency and reduce their overall power usage.

Racktech has a selection of Intelligent PDUs providing ease of use, accuracy, reliability and functionality whilst returning a low total cost of ownership.

By combining optional temperature and humidity sensors, users can effectively manage their power and server room environment using one easy to use software program from any location.

Optional Inclusions

❯ Total PDU power metering or per outlet metering and monitoring
❯ Individual or group power outlet control
❯ Scheduled power outlet control
❯ Temperature and humidity detection
❯ Set alarm thresholds with alarm notifications
❯ Single-phase or three-phase PDU
❯ 10Amp to 125Amp
❯ 240V and 400V
❯ Various outlet and plug types are available
❯ Central management software

SOHO

Data Centre

University

Smart Meter

Smart Switch

Power Protection

Communication Netowrk

TCPIP, SNMP, UPD. HTTPS, POP, SMTP & SSL

Information Analysis

KWH, Current, Voltage, Temperature, Humidity, Event Report, Event Action & Data Log
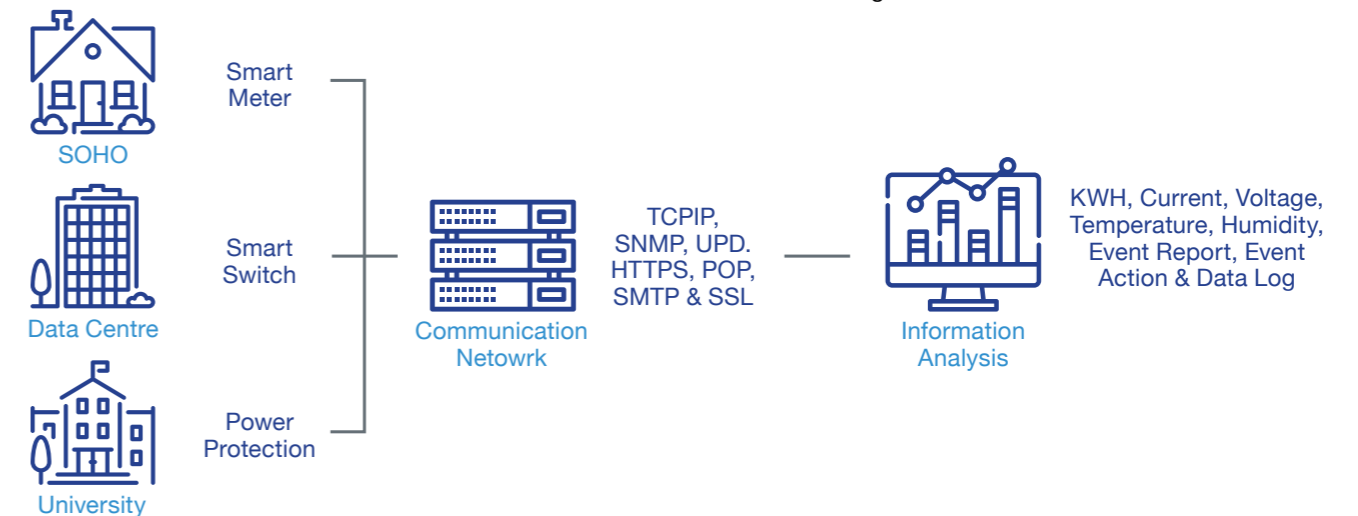
For customised PDU solutions, contact the Racktech Customer Support Team on 1300 550 322 or email sales@racktech.com.au

Monitored PDUs

A Monitored PDU is an entry level intelligent PDU with network interface that enables an IT Manager to monitor total PDU load from a remote interface.

The Monitored PDU provides accurate real time current draw readings enabling users to determine how much room is available before a PDUs capacity is exceeded.

Features

› **Meter:** True RMS Current Meter
› **Power Monitor:** Total Power Monitoring by Meter, Web, SNMP, Remote Software
› **Protocols:** Http, Https, SNMP, DHCP, UDP
› **Alarm Thresholds:** User-Defined Alarm Thresholds for Warning and Overload
› **Event Alert:** Email, Trap, Audible Alarm
› **Temperature/Humidity:** Option Accessory

Monitored PDU or Switched PDU

Manager   Web or PDU Utility
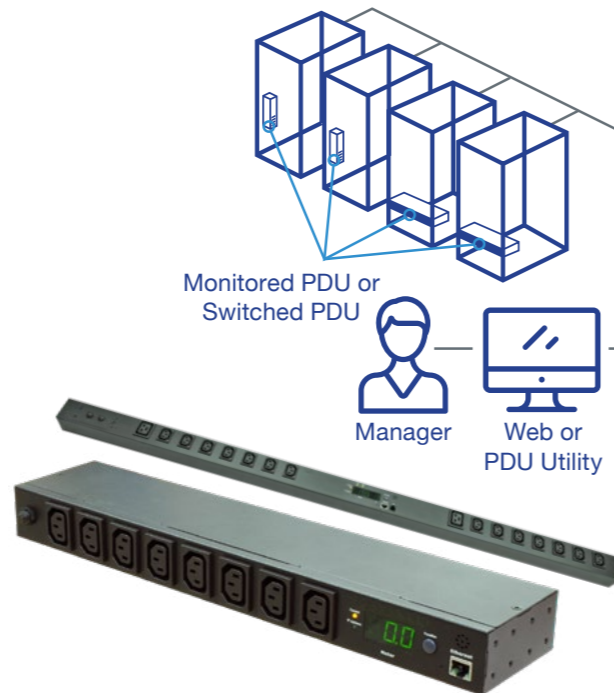
Part Number	Description
IQDG-MTH-1023J-08N1	Monitored PDU (8)C13 Outlet (1)RJ45, 1U 10A 230V IEC320 C14 Plug
IQDG-MTH-1623K-08N1	Monitored PDU (8)C13 Outlet (1)RJ45, 1U 16A 230V IEC320 C20 Plug
IQDG-MTV-1623K-16N1	Monitored PDU (14)C13 (2)C19 Outlet (1)RJ45, 0U 16A 230V IEC320 C20 Plug
IQDG-MTV-3223C-16N2	Monitored PDU (14)C13 (2)C19 Outlet (1)RJ45 (1)RJ11, 0U 32A 230V IEC309 Plug
IQDG-MTV-3223C-24N3	Monitored PDU (21)C13 (3)C19 Outlet (1)RJ45 (1)RJ11, 0U 32A 230V IEC309 Plug

Cabinet Power Monitor (CPM)

A Metered PDU provides power consumption data directly through the PDU panel. A Cabinet Power Monitor can communicate with a Metered PDU to enable remote monitoring of the PDU's power consumption.

Part Number	Description
IQDG-CPM-ENV-2	Temperature/Humidity Probe
IQDG-M1H-1623K-08N1	Metred PDU (8)C13 Outlet (1)RJ45, 1U 16A 230V IEC320 C20 Plug

Basic PDU & Metered PDU

Cabinet Power Monitor
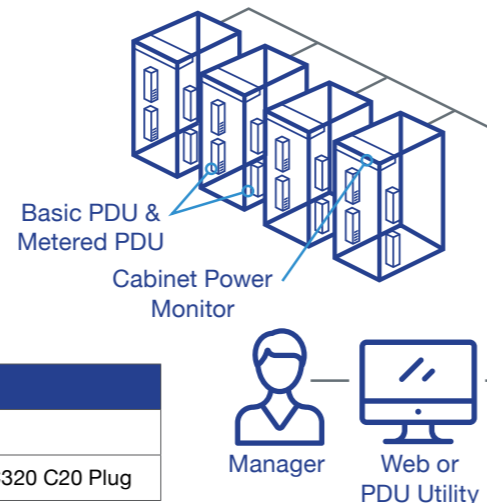
Manager   Web or PDU Utility

Switched PDUs

A Switched PDU with network interface enables IT administrators to remotely turn on and off each individual power outlet on a PDU.

Authorised users have the ability to remotely control the power supply to their connected devices and remotely power cycle servers, with the benefit of reducing downtime.

Sequential outlet control permits equipment to be powered up and down correctly to ensure proper synchronisation of dependent services. Other uses include disabling unused outlets and restricting unauthorised use of power.

Switched PDU

Manager   Web or PDU Utility

Features

› **Meter:** True RMS Current Meter
› **Power Monitor:** Total Power Monitoring by Meter, Web, SNMP, Remote Software
› **Protocols:** Http, Https, SNMP, DHCP, UDP
› **Outlet Control:** Individual
› **Power Delay:** Power On/Off Sequence can be defined
› **Alarm Thresholds:** User-Defined Alarm Thresholds for Warning and Overload
› **Event Alert:** Email, Trap, Audible Alarm
› **Temperature/Humidity:** Option Accessory
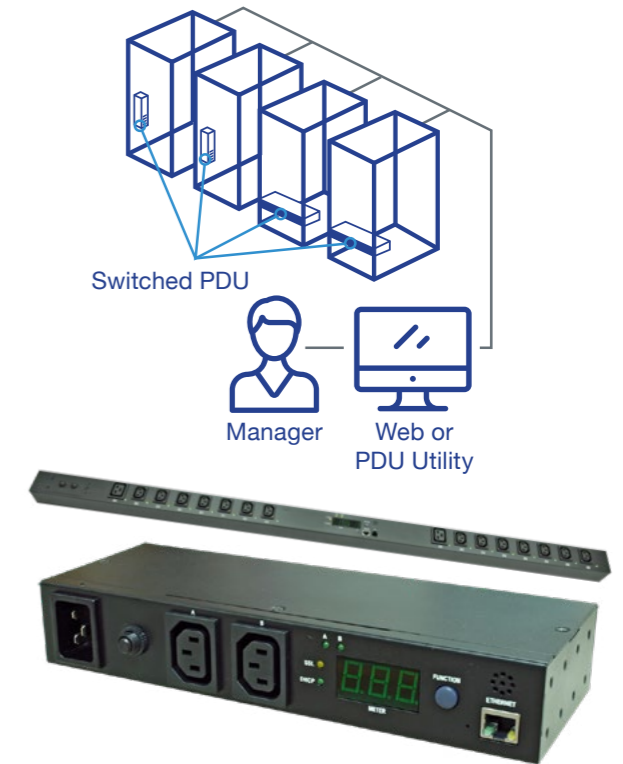
Part Number	Description
IQDG-SWH-1023J-08N1	Switched PDU (8)C13 Outlet (1)RJ45, 1U 10A 230V IEC320 C14 Plug
IQDG-SWH-1623K-08N1	Switched PDU (8)C13 Outlet (1)RJ45, 1U 16A 230V IEC320 C20 Plug
IQDG-SWV-1623K-16N1	Switched PDU (14)C13 (2)C19 Outlet (1)RJ45, 0U 16A 230V IEC320 C20 Plug
IQDG-SWV-1623K-24N1	Switched PDU (21)C13 (3)C19 Outlet (1)RJ45, 0U 16A 230V IEC320 C20 Plug
IQDG-SWV-3223C-16N2	Switched PDU (14)C13 (2)C19 Outlet (1)RJ45 (1)RJ11, 0U 32A 230V IEC309 Plug
IQDG-SWV-3223C-24N3	Switched PDU (21)C13 (3)C19 Outlet (1)RJ45 (1)RJ11, 0U 32A 230V IEC309 Plug

rt racktech

Per Outlet Monitoring (POM)

A Per Outlet Monitoring PDU enables authorised users to remotely drill down to individual outlets and obtain a quick and accurate measurement of the true power being consumed by a specific device by viewing the network interface.

Knowing a device's true power consumption enables IT loads to be efficiently balanced between Server cabinets.

Servers with static power consumption become quickly identified and considered for consolidation, virtualisation or retirement.

Scheduled outlet control enables devices to be turned on and off automatically to meet dedicated hours of operation or maintenance procedures set for a particular time each day or week.

Power cycling can be automated for locked devices by monitoring their IP address. Outlets can also be assigned into group access for colocation requirements, limiting access to the entire PDU by unauthorised personnel.

8 Output

Per Outlet Power Monitoring
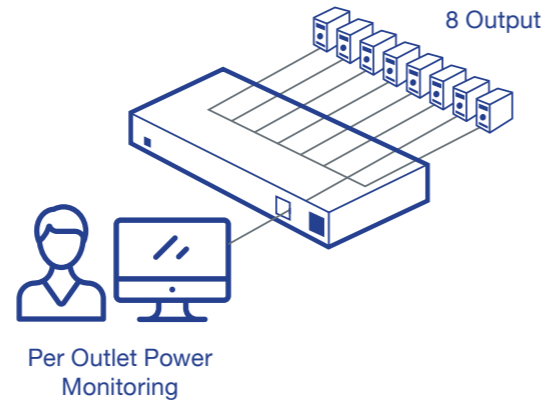
Features

> **Meter:** True RMS Current Meter

> **Power Monitor:** Per Outlet Output, Current and Total Power Monitoring by Meter, Web, SNMP and Remote Software

> **Protocols:** Http, Https, SNMP, DHCP and UDP

> **Outlet Control:** Individual, Group, Schedule and Auto Ping

> **Power Delay:** Power On/Off Sequence can be defined

> **Alarm Thresholds:** User-Defined Alarm Thresholds for Warning and Overload

> **Event Alert:** Email, Trap, Audible Alarm

> **Temperature/Humidity:** Optional Accessory

Part Number	Description
IQDG-MSH-1023J-08N8	POM PDU (8)C13 Outlet (1)RJ45 (1)RJ11, 1U 10A 230V IEC320 C14 Plug
IQDG-MSH-1623K-08N8	POM PDU (8)C13 Outlet (1)RJ45 (1)RJ11, 1U 16A 230V IEC320 C20 Plug
IQDG-MSH-3223C-08N8	POM PDU (8)C13 Outlet (1)RJ45 (1)RJ11, 1U 32A 230V IEC309 Plug

Accessories

Racktech have an extensive range of accessories comprising fan units, cable managers and shelves suitable for all project requirements.
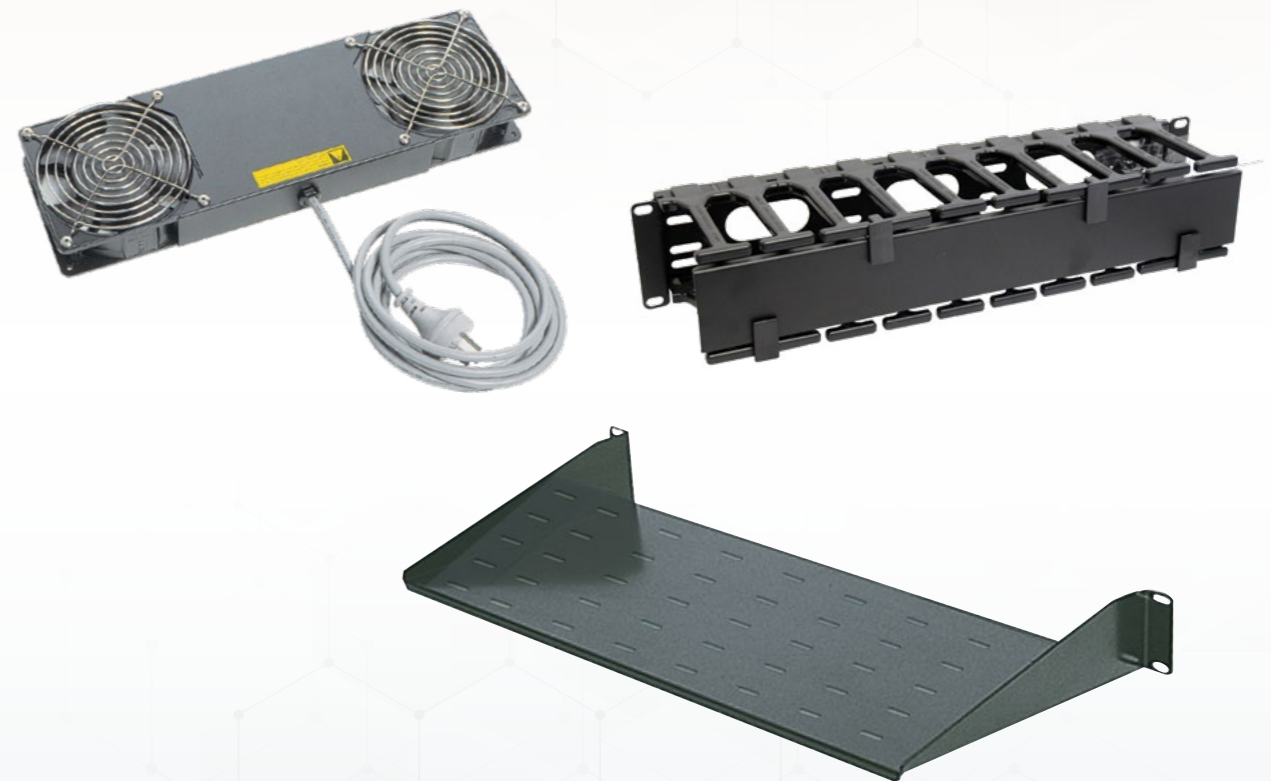
Fan Units

High temperatures are a data centre's greatest enemy as excessive heat build up deteriorates the performance of sensitive equipment and reduces the product life.

Racktech can provide a range of equipment to eliminate heat concerns, from fan units through to airconditioning, hot and cold aisle containment systems, and accessories to expel heat or increase chilled air entering the cabinet.

Contact our sales team for advice on how to best manage your cooling requirements.

Features

› Fans improves air flow
› Finger guards installed top and bottom and totally flush on top panel of frame
› Low noise level fans
› Supplied complete with 2.5m lead and 3-pin plug
› Whisper quiet fans available on request for sensitive office environments
› Thermostat controlled fans available on request

Fan Kits (1-Fan Unit)

› Suits RT2 Series and 450 depth WR Series

THERMOSTAT   WHISPER FAN

Part Number	Description
9181	1 fan unit
9181-W	1 fan unit – Whisper

Fan Kits (2-Fan Unit)

› Suits RT2 Series and 600 depth WR Series

THERMOSTAT   WHISPER FAN

Part Number	Description
RT9182	2 fan unit
RT9182-W	2 fan unit – Whisper
RT9182-TH	2 fan unit – Thermostat
RT9182-W-TH	2 fan unit – Whisper / Thermostatic

Fan Kits (4-Fan Unit)

› Suits RT2 Series of any depth
› Only suitable for RT2 Series

THERMOSTAT   WHISPER FAN

Part Number	Description
RT9183	4 fan unit
RT9183-TH	4 fan unit – Thermostat
RT9183-W	4 fan unit – Whisper
RT9183-W-TH	4 fan unit – Whisper / Thermostatic

Fan Kits (6-Fan Unit)

› Suits RT2 Series 1000mm and 1200mm depth cabinet only

THERMOSTAT   WHISPER FAN

Part Number	Description
RT9186	6 fan unit
RT9186-TH	6 fan unit – Thermostat
RT9186-W	6 fan unit – Whisper
RT9186-W-TH	6 fan unit – Whisper / Thermostatic

Digital Temperature Control Unit 1RU

› Modular unit suitable for all cabinets
› Comes with IEC C14 and 10A SAA outlet

Part Number	Description
9450	Digital Temperature Control Unit 1RU

Filter Kit for Side Panel

› A full range of filters are available to suit your needs
› Filters can be added during production or retrofitted
› Prevents dust ingress into cabinet by filtering and blocking micro particles
› Filter kit consists of filter guide, double-sided tape and dust filter

Part Number	Depth (mm)
9006	600
9007	800
9103	900
9105	1000
9106	1200

Fan Filter

› Not suitable for 2-fan cantilever shelves
› Prevents dust ingress into cabinet by filtering and blocking micro particles

Part Number	Description
9076	2 fan unit
9077	4 fan unit

Airflow and Noise Level Rating

Fan Type (single unit)	Air flow (CFM)	Noise Level (dBA)
Standard Fan	87 / 100	45 / 50
Whisper Fan	60	26

Note: Above details based on single fan

Cable Management

Vertical Cable Management

❯ Designed to handle high density cabling, for termination or patching applications
❯ All fasteners provided
❯ Suitable for RTX and RT2 Series only

RU	Part Number	Width
155 Depth		
18RU	iQCM1860	
27RU	iQCM2760	
38RU	iQCM3860	80
42RU	iQCM4260	
45RU	iQCM4560	
205 Depth		
18RU	iQCM1860-150	
27RU	iQCM2760-150	
38RU	iQCM3860-150	80
42RU	iQCM4260-150	
45RU	iQCM4560-150	

Horizontal Cable Management

❯ Supports and ensures bending radii are met
❯ Routing of cable to maximise capacity
❯ Suitable for all 19" racks

RU	Part Number
93mm T-Fingers	
1RU	iQOF9509
2RU	iQOF9502
4RU	iQOF9512
146mm T-Fingers	
1RU	iQOF9509-150
2RU	iQOF9502-150
4RU	iQOF9512-150

1RU Cable Ring
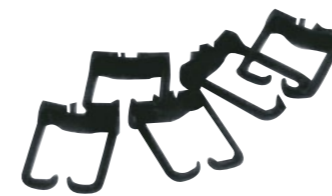
❯ Cable rings are sold separately and snap into all standard cagenut holes

RU	Part Number
1RU	9046

1RU Cable Ring with Bracket

❯ Mount to side of 'L' rail
❯ Finger can be rotated 90°

RU	Part Number
1RU	9046-VWC

1RU Cable Ring Panel

❯ 5 horizontal cable rings
❯ Can be used with all 19" cabinets and wall mounted frames

RU	Part Number
1RU	9045

Lacing Bar

❯ 19" racks mountable
❯ Used for cable management in the rear of a patch panel
❯ All fasteners provided

Part Number	Dimension
9091	1RU x 483mm

1RU and 2RU Horizontal Cable Manager

❯ All metal construction is superior to plastic counterparts
❯ Easy snap fit cover

RU	Part Number
1RU	9218
2RU	9198

Roof Brushed Cable Entry

❯ Protects cable bundles on cabinet entry
❯ Reduces dust infiltration into the cabinet
❯ Easy to mount
❯ Nylon brush
❯ Only suitable for RT2 Series and RTX Series

Part Number	Slot Dimensions	
	Width	Depth
9286	219	78

Cable Management Ring 19" and 26"

> Retains cable in an orderly manner
> Designed to maximise area for vertical cable management, between shelf rails and side panels
> All fasteners provided
> Zinc annealed steel
> Black powercoated finish

Part Number	Width	Depth	Description
9403-VL	30	150 Internal	19" (600mm wide) vertical
9046-VL	55		26" (800mm wide) vertical

T-Finger Cable Management

93mm

Single modular

146mm

> Suitable for 600mm and 800mm wide cabinets with L rails
> Fits neatly alongside vertical rails within 600mm wide cabinets

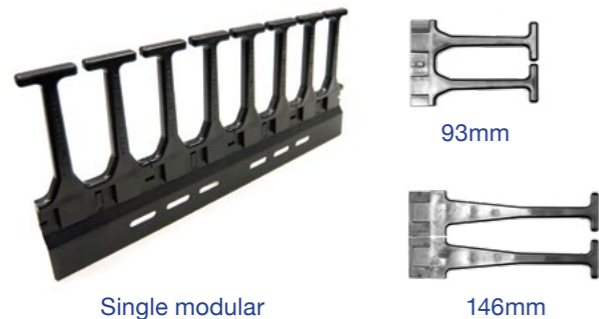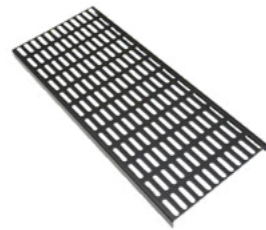| Part Number	Usable Depth
iQCM08100	93mm T-Finger 8RU single module
iQCM08100-150	146mm T-Finger 8RU single module
iQCM42100	93mm T-Finger 42RU
iQCM45100	93mm T-Finger 45RU
iQCM42100-150	146mm T-Finger 42RU
iQCM45100-150	146mm T-Finger 45RU

Cable Trays

> Easily installed
> All fasteners included
> Available in 12RU, 18RU, 27RU, 38RU, 42RU and 45RU
> Not suitable for iQ Series

Part Number	Width
RT**51	150
RT**52	225
RT**53	300
RT**54	400
RT**55	450

Note: ** = height of cabinet in RU

Horizontal Brush Cable Entry

> Can be used with all 19" equipment rails
> Allows cable to penetrate the cabinet while preventing dust ingress
> Helps prevent recirculation of hot air in cabinet
> Enables better management of cold air circulation in cabinet
> Aids front to rear cable entry
> All fasteners provided

RU	Part Number	Slot Dimensions	
		Width	Depth
1RU	9284	390	25
2RU	9285		60

Blank Panels

> Used for aesthetics or to create an air dam
> Complete with fixing hardware

RU	Part Number
1RU	9041
2RU	9042
3RU	9043
4RU	9044
6RU	9202

Eziblank® Blank Panels

> Easy to use
> Saves money
> Simple to install
> Fits any rack size
> Enhanced efficiency
> Environmentally friendly

Part Number	Description
RTDC-BKPNL01	Per box of 10 (10 x 6RU blanking panels – Black)

Telescopic Chimney

> Adjustable height up to 1270mm
> Can be retrofitted around an existing cable installation
> Large cable access area
> Easily suits cable entry on top panel
> Only suitable for RT2 Series and RTX Series

Part Number	Height	Width	Depth
9230-RB	750	375	75

Note: Chimney height is adjustable from 750mm to 1270mm high.

Fixed Cabinet Chimney

> To facilitate and enclose cable entry from ceiling to cabinet
> All fasteners provided
> Custom sizes upon request (MOQ)
> Easily suits cable entry on top panel
> Only suitable for RT2 Series and RTX Series

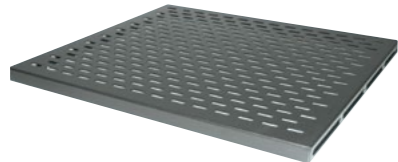| Part Number	Width
9078-RB	900h x 225w x 75d
9079-RB	1200h x 225w x 75d

Shelves

Cantilever Shelves

› Easily installed
› All fasteners included
› Suitable for all 19" cabinets
› Suitable for 19" wall mount cabinets
› Suitable for all 19" open frames
› Vented for better cooling

RU	Part Number	Width	Depth	Load Capacity
1RU	9021		170	20kg
2RU	9022	483	275	25kg
3RU	9023		390	30kg

Fixed Shelves

› Heavy duty load bearing capacity of 100kg
› Fully vented
› Fixing screws concealed from view
› Easily installed
› Fixed shelves are supplied with mounting brackets

Part Number	Width	Depth	Description
9024		400	19" x 600mm deep cabinets
9025		450	19" x 600mm deep cabinets
9026	449	600	19" x 800mm deep cabinets
9080		700	19" x 900mm deep cabinets
9086		800	19" x 1000mm deep cabinets
9088		900	19" x 1000mm deep cabinets

Sliding Shelves

› Slide to full length
› Load capacity of 50kg
› Ball bearing slide for greater control of heavy loads
› Fasteners included
› Fully vented
› Easily installed

Part Number	Description
9028	400mm runner (for 600 deep cabinet)
9029	600mm runner (for 800 deep cabinet)
9082	700mm runner (for 900 deep cabinet)
9087	800mm runner (for 1000 deep cabinet)

Pivoting Keyboard Shelf

Keyboard and mouse not included.

› Allows for a standard width keyboard to be used in a 19" cabinet
› Shelf must be withdrawn before keyboard tray can be pivoted for use

Part Number	Suitable for cabinets
9161-400	600mm deep cabinet
9161	800mm deep cabinet
9161-700	900mm deep cabinet

Adjustable Shelf Rails

› This product is user-friendly, easy to install, strong, lightweight and adjustable from 500mm to 880mm. Unlike shelves, these rails take up no RU space and do not affect air flow
› The equipment support brackets mount easily to rails, providing a strong base for all types of 19", 21" and 26" equipment
› Suitable for up to 1000mm deep cabinets
› Supplied in pairs

Part Number	Suitable for Cabinets
S-KIT-SRL-01-500925	500 to 880

General Accessories

Cabinet Plinth

› Raises cabinet 50mm off the floor
› Provides cable entry at rear of plinth
› Load capacity of 250kg max (UDL)
› Only suitable for RT2 Series
› Not compatible with castors or levelling feet

Part Number	Description
600mm Wide Plinth	
RT9051	600mm Wide x 600mm Deep
RT9052	600mm Wide x 800mm Deep
RT9151	600mm Wide x 900mm Deep
RT9153	600mm Wide x 1000mm Deep
RT9174	600mm Wide x 1200mm Deep
800mm Wide Plinth	
RT9150	800mm Wide x 600mm Deep
RT9069	800mm Wide x 800mm Deep
RT9152	800mm Wide x 900mm Deep
RT9156	800mm Wide x 1000mm Deep
RT9175	800mm Wide x 1200mm Deep

Note: Not suitable for use with bottom panel

Cabinet Plinth Gland

› Provided to cover cable entry holes on plinth
› 4 x Gland Plates for 600mm wide plinth
› 5 x Gland Plates for 800mm wide plinth
› Only suitable for RT2 Series

Part Number
9232-RB

Earthing Kit

> 400mm long earthing cable
> Earthing kit consists of M6 rings at each end, 2 x M6 studs, 4 x M6 star washers

Part Number
9402

Earthing Bar

> Copper earth bar is 3mm thick with slotted and threaded holes

Part Number
C**55

Note: ** = height of cabinet in RU

Fastener Kit

> Fastener Kits consist of M6 cage nuts, M6 screws and M6 flat washers in a set of 4 or a set of 100

Part Number	Description
9074	Fastener kit (set of 4)
9075	Fastener kit (set of 100)

Baying Kit

> Cabinets can be bayed externally
> Easily installed
> Baying kit consist of baying bracket and fasteners
> Only suitable for RT2 Series

Part Number	Description
9400	RT2 cabinet corners baying bracket kit (pair)

Anti-Tilt Bracket – For RT2 Series only

> To be used with levelling feet
> Anti-tilt brackets are supplied with fasteners, excludes floor bolts

Part Number	Description
9038	Levelling foot anti-tilt clamp (set)

Recessing Bracket

> Allows recessing of equipment deep into the cabinet
> Two recessing brackets are supplied with fasteners

Part Number	Description
9237	1RU 50mm recessing brackets (pair)
9237-100	1RU 100mm recessing brackets (pair)
9228	2RU 100mm recessing brackets (pair)

Levelling Feet (Set of 4)

> Maximum load capacity of 500kg
> Feet attach directly to frame for stability
> Levelling feet are fully adjustable
> Feet can raise cabinet enclosure 60mm off th ground
> Optional bottom panel with cable entry cut-out available upon request
> Solves uneven floor issues
> Only suitable for RT2 Series

Part Number	Description
9039-M	RT2 cabinet levelling feet (set of 4 – M10 plastic)

Cabinet Castors (Set of 4)

> Castors attach directly to cabinet frame for extra stability and support
> Front castors have brakes
> Castors raise the cabinet 100mm off the ground
> Maximum load capacity of 250kg (UDL)
> Bottom plate with cable entry cut-out available upon request
> Only suitable for RT2 Series

Part Number	Description
9040-M	RT2 cabinet castor wheels (set of 4)
9040-M-KIT	RT2 cabinet castor wheel kit (set of 4)*

*Order the 9040-M-KIT when retrofitting castors to an existing RT2 Series cabinet on site.

Rear Wall and Floor Mount Kit

> One size is suitable for all cabinets
> Top and bottom supplied as one unit
> Maximum weight is determined by wall strength and fasteners
> Easily installed
> Rear wall and floor mount kit is supplied with fasteners, excludes wall and floor bolts
> Only suitable for RT2 Series

Part Number
9073-BL

Document Holder

> Usually installed on the rear of steel doors
> Affixed with industrial strength adhesives

Part Number	Description	Dimension
9095-BL	A4 metal document holder	250 x 250 x 32

rt racktech

Fixed Fiber Enclosure
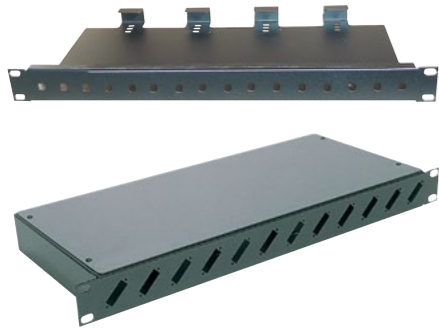
> Suitable for all 19" wide cabinets
> Internal cable management
> Able to accommodate splice cassettes
> Four entry points

RU	Part Number	Width	Depth	Description
1RU	9065	600	220	24-way ST fixed fiber tray with lid. Accepts 24 x ST couplers
	9066		200	24-way SC fixed fiber tray. Holds 12 x duplex couplers
	9067			12-way ST fixed fiber tray with lid. Accepts 16 x ST couplers
	9060			12-way SC fixed fiber tray with lid. Holds 6 x duplex couplers
	9263			24-way LC duplex fixed fiber tray. Holds 24 x LC duplex couplers. Can also hold 24 x SC simplex couplers

Fiber Optic Products

Racktech offers a selection of MICOS TELCOM integrated solutions and compatible products for builders and operators of telecommunication and data centre networks.

Micos Fiber Optic Products

The MICOS TELCOM product portfolio comprises more than 1000 items. All products are developed in the EU to the high standards required by global telecomunication network and data centre operators.

ORMP Drawer Type ODF

The ORMP drawer type ODF has been designed to accommodate the placement of 24 / 48 / 72 / 144 optical connectors indoors. The design of the patch panel is able to be installed into a 19" rack.

Features

> Capacity of 24 to 144 optical connectors
> Can accomodate LC or SC connectors
> Needle holder of optical splice trays
> Able to store excess optical fiber
> Fiber management cable rings
> Able to fit with PG bushings
> Side depth adjustable 19" mounting kit
> Height of 1RU, 2RU or 3RU
> Easy assembly

MICOS
TELCOM

ORMP 1RU 24SC/48LC

ORMP 2RU 72SC/144LC

ORMPV Hinged ODF

The ORMPV hinged module patch panel is designed to place 24 / 48 / 96 / 144 optical connectors indoor. The design of the panel enables installation in a 19" rack.

Features

> Capacity of 24 to 144 optical connectors
> Connector holder SC simplex, ST, FC, LC, SC duplex
> Optical splice tray holder
> Able to store excess optical fiber
> Installation into a 19" base, front or rear mounted
> Cable can enter from the rear or the side
> Side depth adjustable 19" mounting kit
> Height of 1RU, 2RU or 3RU
> Easy assembly

ORMPV 1RU

ORMPV 2RU

UHD ORMP 1RU / UHD ORMP 2RU Fiber Optic Patch Panel

The UHD ORMP 1RU and UHD ORMP 2RU Ultra High Density Fiber Optic Patch Panels, are pre-assembled according to your exact specifications to enable splicing right out of the carton, providing time and labour savings.

Each patch panel is made from rugged alu-zinc metal and has a durable powder-coat finish. The craft-friendly COYOTE® Fiber Optic Trays and integrated fiber storage allows for easy assembly.

Features

> Capacity up to 144 splices for 1RU version
> Capacity up to 288 splices for 2RU version
> Capacity up to 72 × SC / 144 × LC connector for 1RU version
> Capacity up to 144× SC / 288× LC connector for 2RU version
> Increased corrosion resistance (alu-zinc material)
> High connector density with removable patchcord support
> Depth adjustable 19" mounting brackets
> Large Fiber Optic Trays with transparent lid
> Removable Fiber Optic Trays to facilitate easy installation and maintenance
> Space for a fiber storage under the trays
> Optional splice holders, single fiber or ribbon

MICOS
TELCOM

Ultra High Density Fiber Optic Patch Panel
UHD ORMP 1U 144LC

Ultra High Density Fiber Optic Patch Panel
UHD ORMP 2U 288LC

POR 48 Wall-mounted Optical Distribution Box

Wall mounted fiber optical box designed for the placement of up to 48 optical connectors indoor. Optical cables can enter/exit from either the top or bottom of the box . Adapters plates are selectable for SC or LC style connectors and the splice tray is removable for easy installation and maintenance.

Features

> Maximum capacity 24 SC or 48 LC connectors
> Integrated cable excess fiber storage
> Cable management
> Rubber bushings
> Two lockable doors – two different locks
> Outdoor version available upon request
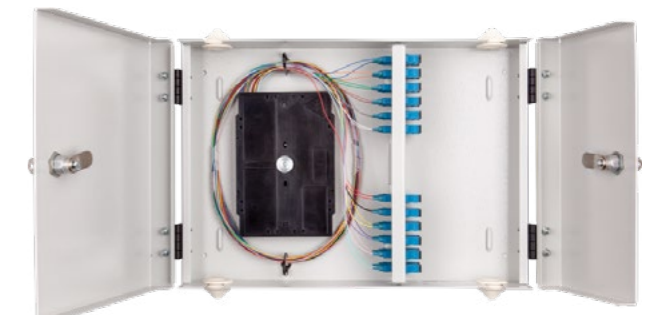
POR 48 Wall-mounted Optical Distribution Box

rt racktech

Uninterruptible Power Supply Systems provide protection and monitoring that support mission-critical servers, telecom equipment, VoIP and networking hardware.

MX Series 1.1, 2, 3 kVA

Reliable power protection for small to medium sized enterprises

The DELTA Amplon MX line-interactive UPS provides pure sine-wave quality compatibility for versatile applications and protects devices from power failure and voltage variations with a small footprint.

The Amplon MX series features enhanced output power factor 0.9, AVR efficiency up to 96.5%, resulting in a greater power supply for critical loads at significantly less operating cost.

Features and Benefits

› Microprocessor-based line interactive design for fast response to power disturbances
› Programmable load bank disconnects non-critical loads when a blackout occurs and reserves more battery power for critical loads
› Automatic voltage regulator (AVR) delivers stable output voltage during break-outs or over-voltages
› Wide input voltage range allows the UPS to work in harsh electrical environments
› Hot-swappable battery design to protect equipment during battery replacement

Flexibility

› Supports both rack and tower installation
› Management through a user-friendly graphical and easy-shift LCD display
› Supports multiple communication interfaces, including USB port, RS-232, Mini Slot, Surge Protection, REPO for enhanced monitoring and manageability

Low Total Cost of Ownership

› Output power factor is up to 0.9 to provide more real power to critical loads
› High efficiency normal mode reach at 98% and 98.5% for 3kVA
› Wide input range and protection against over voltage prolongs the battery life

MX Series Applications

Part Number	VA	Watts	Power Factor	Output Voltage (Vac)	Typical Backup Time (min)	Outlets
RTUPSD-UPA112M2MX0B0BB	1100	990	0.9	221 ± 1% 230 ± 1% 240 ± 10%	10 (Half Load)	IEC C14 x 1
RTUPSD-UPA202M2MX0B0BB	2000	1800	0.9	222 ± 1% 230 ± 1% 240 ± 10%	10 (Half Load)	IEC C20 x 1
RTUPSD-UPA302M2MX0B0BB	3000	2700	0.9	222 ± 1% 230 ± 1% 240 ± 10%	10 (Half Load)	IEC C20 x 1

DELTA
Smarter. Greener. Together.

School   Infrastructure   SME   Security   Telecom   Industrial   Network

RT Series 1, 2, 3 kVA

Reliable power with greater energy-saving features

The DELTA Amplon RT 1-3kVA series is an online double-conversion UPS providing consistent sine-wave power to critical equipment.

It supports personal computers, networks, servers, VoIP and telecommunications. The Amplon RT 1-3kVA series features an output power factor of 0.9 and best-in-class AC-AC efficiency up to 94% resulting in greater energy-savings. Optional external battery pack can be connected for longer backup time to keep your applications safe and running smoothly at all times.

Features and Benefits

› True online double-conversion topology and zero transfer time to battery ensures high reliability
› Watch-dog design of Digital Signal Processor (DSP) increases reliability
› Cold-start capability provides temporary battery power when the utility power is out
› Fan failure detection alerts users to failed fans
› Hot swappable batteries ensure continuous operation even when batteries are being replaced
› Optional external battery pack for easy scaling of longer backup time
› Operation temperature tolerance up to 50°C ensures critical load continuity
› High output power factor 0.9 provides more real power to critical loads

Green and Low TCO

› High input power factor (pf > 0.99) and low harmonic distortion (iTHD < 5%) saves additional investment
› Up to 94% AC-AC efficiency and 97% efficiency in ECO mode result in marked energy cost savings
› Wide input voltage range reduces the chance of using the battery and extends the battery life
› Intelligent battery management enhances the battery life and performance
› Fan speed control by load level maximises efficiency and reduces audible noise

Flexibility

› Load segment control allows less-critical loads to be disconnected during blackouts and saves battery runtime for important loads
› Convertible rack and tower configuration in 2RU size cabinet
› Excellent local communications through rotatable LCD display
› Intelligent management software connectivity via RS232 or USB port

RT Series Applications

Part Number	VA	Watts	Output Voltage (Vac)	Typical Backup Time (min)	Outlets
RTUPSD-UPS102R2RT2B0BB	1000	900	220 ± 1% 230 ± 1% 240 ± 1%	6.5	IEC C13 x 6, C19 x 1
RTUPSD-UPS202R2RT2B0BB	2000	1800	221 ± 1% 230 ± 1% 240 ± 1%	7.5	IEC C13 x 6, C19 x 1
RTUPSD-UPS302R2RT2B0BB	3000	2700	222 ± 1% 230 ± 1% 240 ± 1%	7.5	IEC C13 x 6, C19 x 1

DELTA
Smarter. Greener. Together.

School   Infrastructure   SME   Security   Telecom   Industrial   Network

rt racktech

Hot & Cold Aisle Containment

Racktech offers a range of airflow management solutions for hot and cold aisle containment applications.

RT Series 5, 6, 8, 10, 15, 20 kVA

RT Series 5, 6, 8, 10 kVA Single Phase UPS and 15, 20 kVA Three Phase UPS

The DELTA Amplon RT Series 5-20kVA is an online double-conversion UPS that provides a quality design, high power density, system efficiency, and versatile configurations in a compact 2RU size.

Unity output power factor maximises capacity for more critical loads, while outstanding energy-savings can be achieved based on the AC-AC efficiency of up to 96.5% and 99% in ECO mode.

The RT Series 5-20kVA UPS is the first in the market that offers standard Li-ion external battery cabinets, which deliver better power density and sustainability.

Along with the parallel capacity of up to four units, the new series is the ideal small power UPS for mission-critical applications, such as servers, data centres, telecommunications, and manufacturing.

The DELTA Amplon RT Series provides a total solution for reliable power with high availability and performance.

RT Series Applications

Part Number	VA	Watts	Power Factor	Output (Vac)	Typical Backup Time (min)
RTUPSD-UPS502R2RT0B035	5000	5000	1	220 ± 2% 230 ± 2% 240 ± 2%	6.5
RTUPSD-UPS602R2RT0B035	6000	6000	1	220 ± 2% 230 ± 2% 240 ± 2%	7.5
RTUPSD-UPS103R2RT0B035	10000	10000	1	220 ± 2% 230 ± 2% 240 ± 2%	7.5

Additional Models

Ultron HPH 20, 30, 40 kW

› Fully Rated power KVA=KW
› Leading AC-AC efficiency up to 96% = Energy-savings
› Wide input voltage range allows the UPS to operate in unstable electrical environments
› Built-in manual bypass ensures continuous power even when UPS is under maintenance
› N+X parallel redundancy and capacity expansion capability
› LCD display and LED indicators
› 2 x Com slots
› Front access internal hot swap battery with tray

Modular UPS DPH Series 25-75, 150, 200 kW

The next generation of modular uninterruptible power supply systems (UPS systems) designed for ultimate availability, excellent performance and high efficiency. An integrated power solution in a Small Form Factor that is ideal for medium-sized datacenters.

Modular UPS DPH Series 50-300, 500, 600 kW

The Delta Modulon DPH series UPS 50-300, 500, 600 kVA achieves the industry's leading power density of 50 kW per module, offering the smallest footprint and best space utilisation. Arguably the world's highest power density in a single or dual rack.

ΔELTA

Smarter. Greener. Together.

School   Infrastructure   SME   Security   Telecom   Industrial   Network

Aisle Containment Solutions

Racktech is the Australian Distributor of Polargy Hot and Cold Aisle Containment solutions

Since 2007 Polargy has been the world leader in the design and manufacture of hot and cold aisle containment solutions for new and retrofit data centres.

Polargy is the provider of choice for many world-class mission critical facilities owners and operators.

Polargy containment is deployed by customers including Facebook, Verizon, Pixar Animation, Barclays and Dell.

Racktech will provide a complete solution from design consultation to installation.

Innovative Solutions

Drawing on years of experience servicing the top mission critical operators, Polargy together with Racktech have a deep insight into all aspects of data centre infrastructure and have developed ingenious solutions to common and costly problems.

Hot Aisle Containment

Containing the hot aisle is important in new data centre construction. Hot aisle containment focuses on isolating hot exhaust air on its return to the CRAC units or on its way out of the building.

Architects and Engineers have widely adopted the hot aisle containment method of air segregation in new data centre builds for the follow reasons:

› Designs that flood the whole room with cold air are easy to build

› It is much easier to achieve airflow balance with a common cold zone

› A common cool area in the space is more comfortable for users
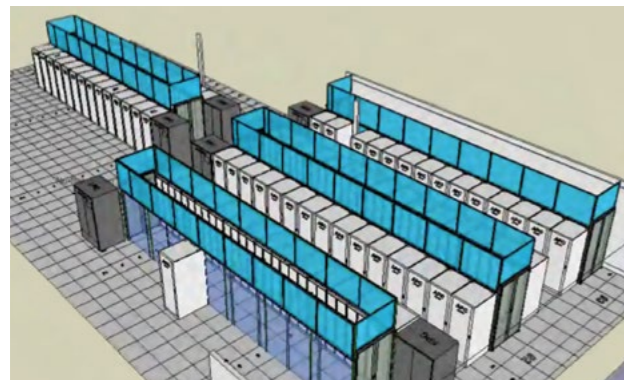
Drawing of Hot Aisles

POLARGY

Cold Aisle Containment

Containing the cold aisle has been the most common approach for energy efficiency retrofits, colocation and wholesale providers.

Cold aisle containment confines the cold supply air within the aisle so that it is only available to the equipment and cannot escape over the top of the aisle or out the ends of the aisle.

The most common approach for this aisle containment is end doors and roof panels on a raised frame with perimeter CRAC's.

Cold aisle containment is widely used on retrofits of an existing site as it avoids the need to modify fire suppression equipment and fits below existing cable trays and other obstructions.

Colocation and wholesale providers like this method because it provides flexibility for layout changes. With individual contained cold aisles it is particularly important to monitor and balance the airflow within the aisles.

Cabinet Supported Cold Aisle Containment

Prefabricated Containment Systems

Racktech, together with Polargy are changing the way containment is deployed during new construction to bring relief to installation schedules and budgets.

Polargy's pre-fabricated, flat pack system is a smarter way to build because it can be installed in half the time of traditional stick built systems and costs significantly less.

As aisle containment is in the last phase of the project, speeding up the installation time provides a tremendous advantage to meeting schedules.

Aisle End Containment Doors

Great doors make for a great user experience in a contained data centre. Easy opening, smooth sliding, no threshold, auto closing and hold open features are attributes of Polargy aisle end doors.

A variety of aisle end containment doors are available including Polargy's unique, adjustable height sliding doors and easy to install swing doors.

Aisle Containment Roof Panels

The polarplex drop-away panel for use below sprinkler heads is another industry first from Polargy. These UL certified drop away panels resolve the 'sprinkler head obstruction' problem associated with deploying containment. This unique hot and cold aisle containment solution is deployed horizontally across the aisles to create a tight containment barrier.

The panels are made of an aluminium frame with a special translucent insert. The panels are heat sensitive and fall away in high heat, allowing access for suppression systems. They are designed for use underneath lighting and fire suppression systems and are engineered to drop out in the event of a fire.

Containment Panels

Polarplex containment panels are an attractive solution for isolating above and around racks. They are typically deployed vertically to create an attractive, modular containment barrier.

Made of anodized aluminium framing and fire safe inserts, the Polarplex containment panels are lightweight, cost effective and attractive looking. Systems can be ceiling suspended with an innovate quick connect and quick removal design or alternatively secured to rack tops or the floor.

Curtain Panels And Strip Curtain Doors

Polarplex containment curtains are an economical way to eliminate hot spots and overcooled zones.

Made of high grade vinyl and installed with Polargys trouble free mounting system they are easy to install and flexible to redeploy.
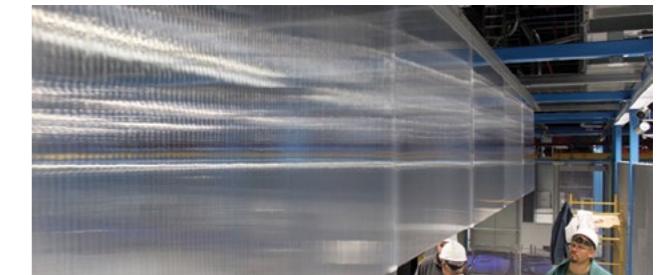
Ceiling Supported Hot Aisle Containment

Cabinet Supported Hot Aisle Containment

Floor Mounted Hot Aisle Containment

Aisle Containment Construction Methods

Aisle containment manages airflow within a data centre by isolating hot aisles and cold aisles from each other, preventing the mixing of hot and cold airstreams.

This enables hot air to be returned to the CRAC unit at a higher temperature, increasing CRAC efficiency and most importantly enables chilled air leaving the CRAC to remain unadulterated before it reaches the equipment, providing uniform server inlet temperatures.

Key Benefits

> Turn off CRAC units
> Reduced hot air recirculation
> Increased CRAC set points
> Significantly lower on-going energy costs
> Increased equipment reliability and fewer hot spots
> Added server capacity promoting deferred capital expenditure

Engineering and Design Support

Racktech engineers offer design support for hot and cold aisle containment projects of any size and can supply CAD drawings.

We also provide design support for architects and engineers at the initial development stage of the project design.

For retrofits with less specific documentation, Racktech can prepare basic documents from layout drawings and site measurements.

With a multitude of options and methods available, Racktech can provide engineering support to ensure the most efficient solution is provided for your installation.

A full range of data centre product solutions are available upon request.
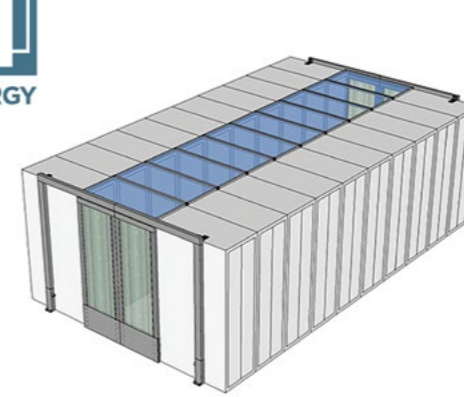

Free Standing Wall
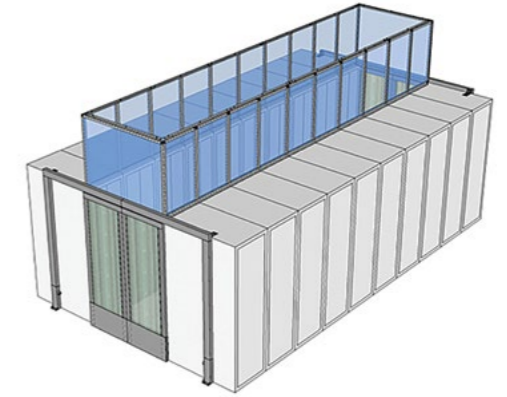

Panel and F-Bracket

Installation of SPS

Light Box Containment

POLARGY

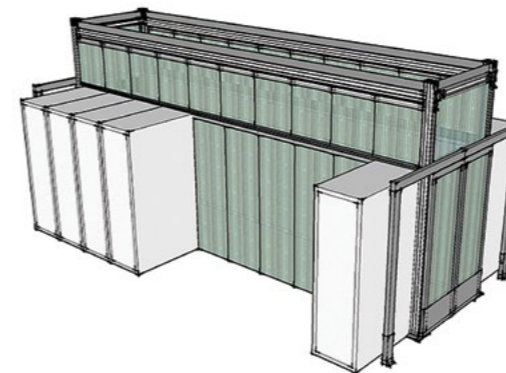### Cabinet Supported Aisle Containment
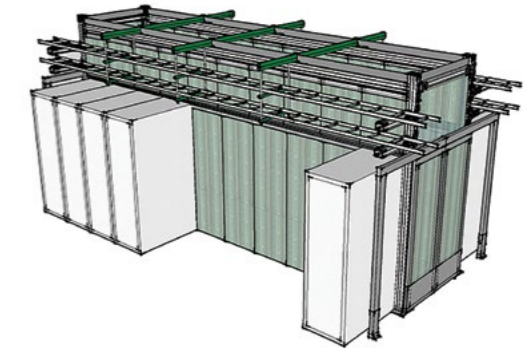

Horizontal Panels

Vertical Panels

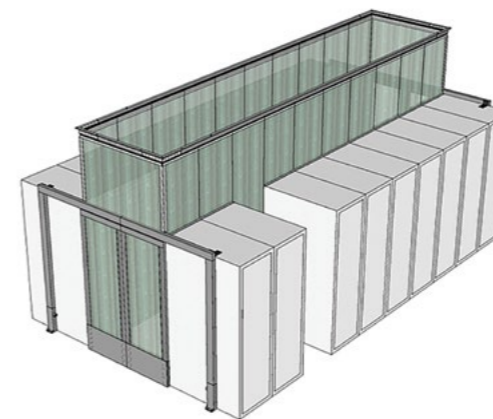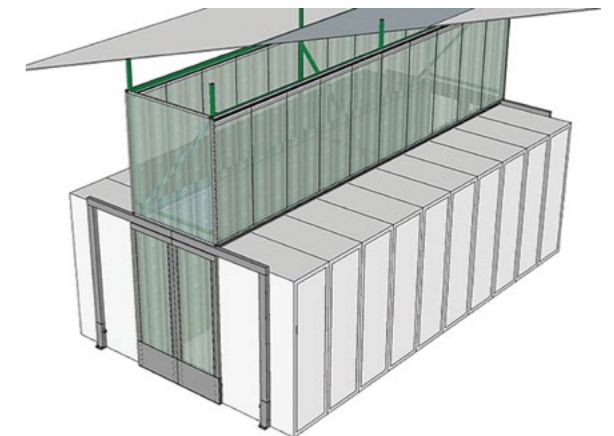### Floor Supported Aisle Containment

Containment Only

Containment plus Infrastructure

Ceiling Supported Aisle Containment

Single Tier

Two Tier

racktech

Providing rack solutions since 1990

Australia Head Office

Delivery Address
Racktech
190 Power Street,
Glendenning, NSW 2761
Australia

Postal Address
PO Box 626,
St Marys NSW 1790
Australia

Phone: +612 8805 0000
Freecall: 1300 550 322
Email: sales@racktech.com.au

Perth Office
Suite 2,
5 Cressall Road,
Balcatta, WA 6021
Australia

Brisbane Office
Unit 6A,
12 Navigator Place,
Hendra QLD 4011
Australia

New Zealand Office

Delivery Address
35 Lady Ruby Drive
East Tamaki, Manukau 2013
New Zealand

Postal Address
WPO Box 58623
Botany, Manukau 2163
New Zealand

Phone: +649 274 2000
Fax: +649 274 2001
Email: mail@preformed.co.nz

Racktech Distribuion Warehouses

Perth Agent and Distribution Warehouse
J.G. Thomas Pty Ltd
11 Durham Road
Bayswater WA 6053
Australia

Hobart Agent and Distribution Warehouse
Gordon Wood & Co.
31 Sunderland Street
Moonah TAS 7009
Australia

Townsville Agent and Distribution Warehouse
Powerhouse Distribution
48 Leyland Street
Garbutt QLD 4814
Australia

Queensland Distribution Warehouse
Team Transport & Logistics
4 Radar Street
Lytton QLD 4178
Australia

racktech.com.au