

AISLE  
CONTAINMENT

SERVER  
RACKS



NETWORK  
RACKS

CABLE  
MANAGEMENT



# RACKS AND AISLE CONTAINMENT

SAVE TIME. SAVE MONEY. REDUCE RISK.

PRODUCT BROCHURE

[www.arctiv-tech.com/racks](http://www.arctiv-tech.com/racks)

# ArcTiv Racks and Aisle Containment

## PRODUCT LINE FEATURES



### Server Racks

Quality built IT racks with high-load rating, high ventilation doors and up to 52U options



### Network Racks

High-capacity IT racks with high-density cable management for networking applications.



### Aisle Containment

Automated doors and top panels for integration with building fire suppression systems.



### Beautiful Appearance

Curved rack doors, high quality steel, customized color options (Black, White) and tempered glass containment doors.



### Durability

Sturdy, high quality design and components from 100% SPCC steel frame and mounting rails.



### Easy Installation

Racks can ship either fully configured with pre-installed accessories or flat-pack with simple field installation.



### Modular Design

Simple to configure containment components and add on for future expansion.



### High-Density

Supports latest servers and network equipment with in-rack vertical cable management and top-rack accessories.



### High-Capacity

Supports advanced applications with up to 52U racks, high load rating (1500kg) and +78% airflow doors.



### Automatic Operation

Automatic containment doors and top panels can sync with building fire detection and suppression systems.



### Security

Locking containment and rack front & rear doors which can integrate with iPDU e-handle systems.



# ArcTiv Racks and Aisle Containment

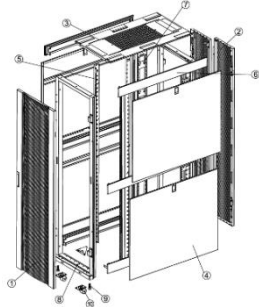
## PRODUCT LINE BENEFITS

### Save Time. Save Money. Reduce Risk.

ArcTiv Racks & Aisle Containment include easy-to-manage solutions to support critical IT systems.

#### Save Time.

Reduce installation time with pre-assembled racks and accessories. Fast assembly flat pack and modular systems reduce shipping costs and installation time.



#### Fast Assembly

Easy to build, semi-welded frame for flat pack freight.



#### Pre-Assembled

Pre-configured racks & accessory options.

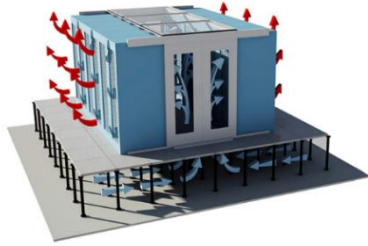


#### Modular Design

Easy to design, install and scale for future expansion.

#### Save Money.

Lower your total CAPEX & OPEX with reduced data center whitespace, high cooling efficiency, and customize around existing facility floorspace.



#### Lower Cooling Costs

Hot & cold air isolation increases efficiency.



#### Minimize Floorspace

Taller racks reduce total whitespace requirements.



#### Customizable

Customizable for buildings conversions or expansions.

#### Reduce Risk.

Manage and secure high-performance servers and IT equipment in high-density racks with high load ratings, automatic doors and top panels.



#### High Rack Density

Supports iPDU's & vertical cable management



#### High Load Rating

High quality, SPCC steel with adjustable rails.



#### Automatic Operation

Top panels sync with fire suppression systems.



# ArcTiv Server Racks

## PRODUCT FEATURES



Front View



Rear View

ArcTiv Server Racks include a beautifully designed, semi-welded frame ideal for storing servers and IT equipment in Data Centers and Server Rooms.



### Beautiful Appearance

Curved rack doors, high quality steel, customized color options (Black, White).



### Easy Installation

Fully configured racks or flat-pack with simple field installation.



### High-Capacity

Up to 52U racks, high load rating (1500kg) and +78% airflow doors.



### Security

Locking rack front & rear doors with multi-bay compartment options

## Product Highlights



Curved Door with 130° Radius



HD Castors & Leveling Feet



Multi-Bay Compartments



Split Locking Side Panels



High Airflow, Vented Locking Doors



Adjustable Mounting Rails



# ArcTiv Network Racks

## PRODUCT FEATURES

ArcTiv Network Racks offer high-density solutions for storing networking and storage equipment in Data Centers and Server Rooms.



### Beautiful Appearance

Curved rack doors, high quality steel, customized color options (Black, White).



### High-Density

Supports in-rack vertical cable management and high density iPDU's



### High-Capacity

Up to 52U racks, high load rating (1500kg) and +78% airflow doors.



### Security

Locking rack front & rear doors which can integrate with iPDU e-handle systems.



CE

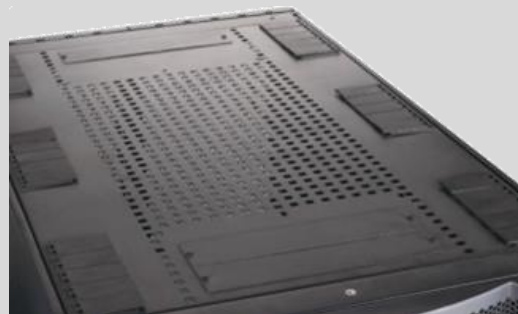
Front View

Open View

## Product Highlights



Vertical Cable Management



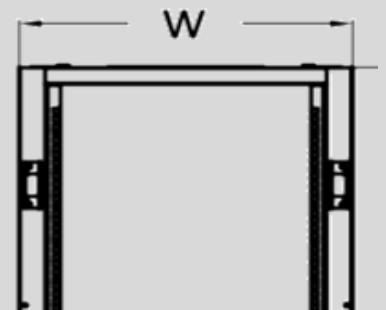
Top Cable Entry Access Holes



Tool-less iPDU Mounting



Network & Power Cable Separation



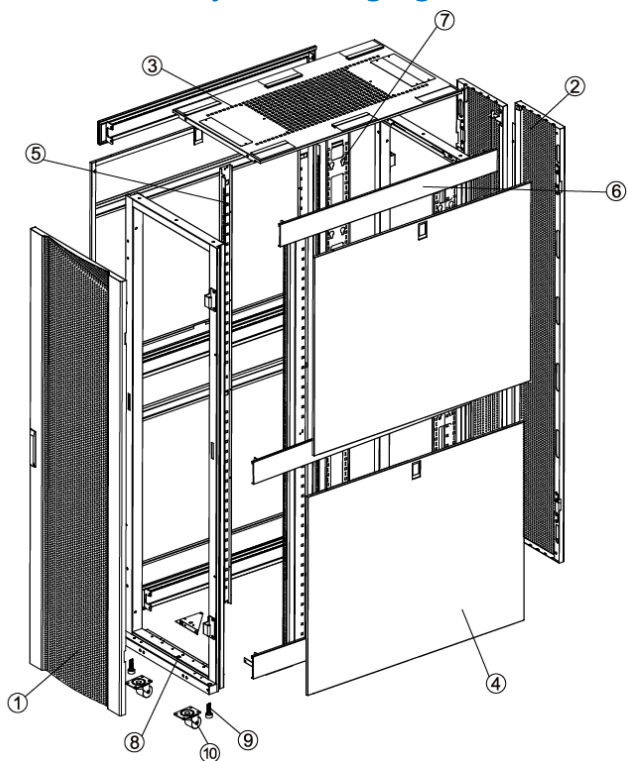
750 & 800mmW Options



# ArcTiv Server & Network Racks

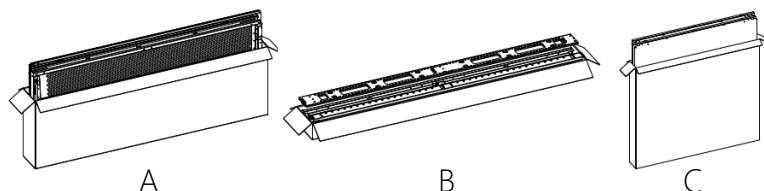
## ORDERING INFORMATION & ASSEMBLY

### Rack Assembly & Packaging:



Item	Component	Quantity
1	Front vented door with lock	1
2	Rear door	2
3	Top cover	1
4	Side panel	4
5	Vertical rail	4
6	Horizontal beam	6
7	Cable management rail	2
8	Door frame	2
9	Leveling feet	4
10	2" heavy duty castor	4

### Flat Pack Cartons



### ArcTiv Racks Include:

- Semi-Welded Frame with 1500kg Load Rating
- Vented Front Door, 78%, with 130° Radius
- Split, Rear Vented Doors, 78%
- 2 x Locking Swing Handles (front & rear)
- Vented Top Panel with Cable Entry Access
- 4 x Locking and Removable Split Side Panels
- 4 x EIA Adjustable Mounting Rails
- 2 x Rear Mounting Cable / PDU Channels
- 4 x Heavy Duty Castors and Leveling Feet
- Baying & Grounding Kit
- Pack of 50 M6 Screws and Cage Nuts
- Black Powder Coat Paint (RAL9005)
- Pallet (Assembled)
- CE certified, IP20 Compliant
- 2-Year Warranty

### Part Numbers (Standard Models):

AT [R]	[W]	[D]	[H]
Rack Type	Width	Depth	Height
[SVR] = Server Rack	6 = 600	08 = 800 10 = 1070	42 = 42U 45 = 45U
[NWR] = Network Rack	8 = 800	12 = 1200	48 = 48U

Examples:

**ATSVR61042** = Server Rack, 42U x 600mmW x 1070mmD

**ATNWR81242** = Network Rack, 42U x 800mmW x 1200mmD

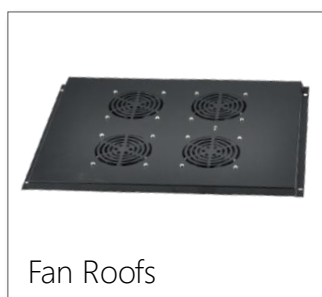
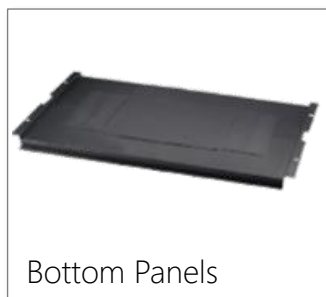
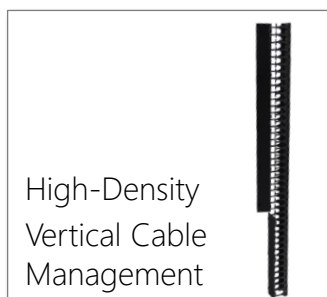
### Customized Options

- Rack Sizes
- Door & Handle Types
- Colors (White, RAL7035)
- Packaging (Flat-Pack)
- Multi-Bay Compartments
- Cable Entry Access

# ArcTiv Rack Accessories

## ORDERING INFORMATION

### Popular Rack Accessories (Ordered Separately)



### Rack Accessories

	Part No	Description	SERVER RACK	NETWORK RACK
CABLE MGMT	ATHDHCM2U	High-Density Horizontal Cable Manager, 2U	●	●
	ATHCM1U	Plastic Horizontal Cable Manager, 1U	●	●
	ATPDRING1U	Horizontal D-Ring Manager, 1U	●	●
	ATHDVCM42	High Density Vertical Cable Manager, 42U		●
	ATVCM1U	Plastic Vertical Cable Manager, 42U, 1U	●	●
	ATPCT6	Power Shielding Cable Trough, 600mmW	●	
	ATPCT8	Power Shielding Cable Trough, 800mmW		●
	ATDCT6	Data Shielding Cable Trough, 600mmW	●	
	ATDCT8	Data Shielding Cable Trough, 800mmW		●
	ATVELCRO	Velcro Straps	●	●
AIRFLOW & OTHER	ATFROOF61	Fan Roof (6, 600mmW, 1000mmD)	●	
	ATRFROOF81	Fan Roof (6, 800mmW, 1000mmD)		●
	ATBPANEL61	Bottom Panel (600mmW, 1000mmD)	●	
	ATBPANEL81	Bottom Panel (800mmW, 1000mmD)		●
	ATP2UPANEL	Plastic Tool-less Blanking Panel (2U)	●	●
	ATFSHELF-5	Fixed Shelf, 550mmD	●	●
	ATSSHELF-5	Sliding Shelf, 550mmD	●	●





# ArcTiv Aisle Containment

## PRODUCT FEATURES



*Modular Cold-Aisle Containment System*

**ArcTiv Aisle Containment** are modular, row-based containment solutions, which separates cold and hot air from equipment to the data center.



### Beautiful Appearance

Tempered glass containment doors and ceiling panels.



### Security

Locking doors with card, passcode and optional fingerprint access control.



### Automatic Operation

Automatic containment doors and top panels can sync with building fire systems.



### Modular Design

Simple to configure containment roof, cabling and insulation components

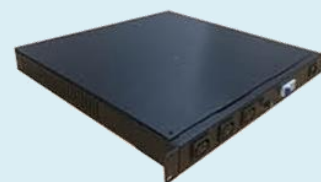
## Product Highlights



Automatic Sliding Doors with Beautiful, Tempered Glass and Fully Locked Functions



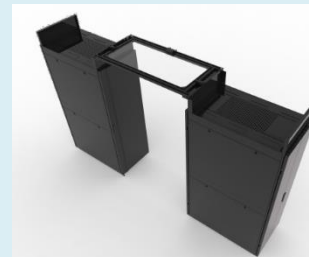
Telescopic Roofs for Hot-Air Return



System Controller for Automatic Operation



Top Panels with Automatic Release



Modular, Sealed Rack & Panel Components

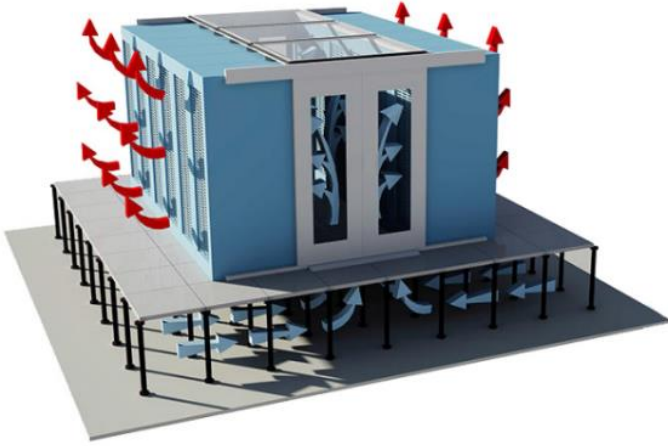


# ArcTiv Racks and Aisle Containment

## APPLICATION OVERVIEW

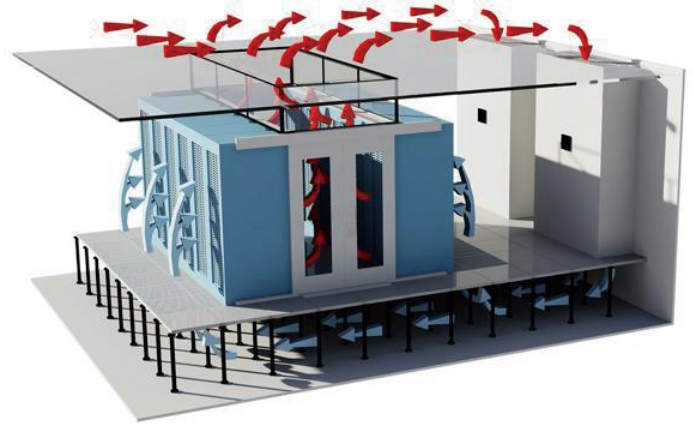
### Increase Data Center Cooling Efficiency

Data centers can use raised floors and containment solutions to isolate and recirculate hot & cold air.



#### Cold-Aisle Containment

- Supports centralized, underfloor or in-row cooling
- Automated top panels sync to fire suppression
- Optional rack mounted telescopic chimneys



#### Hot-Aisle Containment

- Supports centralized, underfloor cooling systems
- Hot-air aisle recirculation
- Hot-aisle chimney

### Success Story

Server Room with ArcTiv Server Racks, Cold Aisle Containment and iPDU's.



#### Popular Markets

- Colocations
- Finance
- Government
- Enterprise

#### ArcTiv Value

- Quality Design
- Turnkey Solutions
- Customizable to Room
- Simple to Deploy
- Technical Training & Support



# ArcTiv Aisle Containment

## AUTOMATIC OPERATION



### Automatic Sliding Door (Aluminum)

- Left and Right Sliding Door, Automatic Switch
- Aluminum Profile with Tempered Glass
- Power Input: 100VAC – 240VAC, 50/60Hz
- Access Control: Card, Password, Fingerprint
- Autolock Door
- Wireless Button Switch for Exit
- Fire Alarm



### Semi-Automatic Swing Door (SPCC)

- 90° Swing Door with Manual Open, Auto Close
- SPCC with Tempered Glass
- Power Input: 12VDC
- Access Control: Card, Password, Fingerprint
- Electromagnetic Lock
- Switch Button for Exit
- Fire Alarm



### Rotary Roof Ceiling

- Compatible with 600 & 800mmW Racks
- Containment Aisle Width: 1200 or 1000mm
- Rotating Angle: 90°
- 5mm Tempered Glass, SPCC
- Electromagnetic Lock (12VDC)
- Supports Fire System Linkage
- Lighting Options
- Emergency Switch Options



### Fixed Roof Ceiling

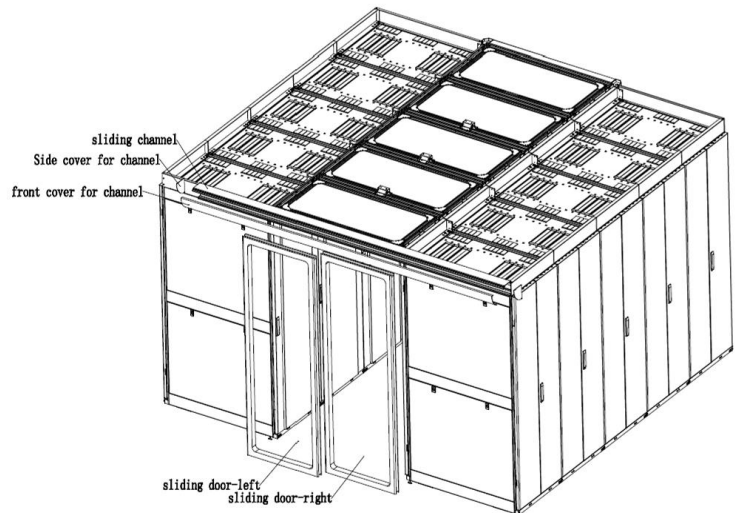
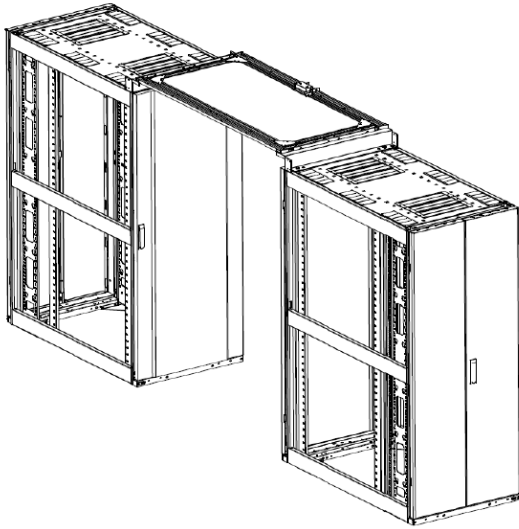
- Compatible with 600 & 800mmW Racks
- Containment Aisle Width: 1200 or 1000mm
- Fixed, 5mm Tempered Glass or Sheet Metal
- Lighting Options
- Emergency Switch Options



# ArcTiv Aisle Containment

## ASSEMBLY AND ACCESSORIES

### Rack and Aisle Containment Assembly



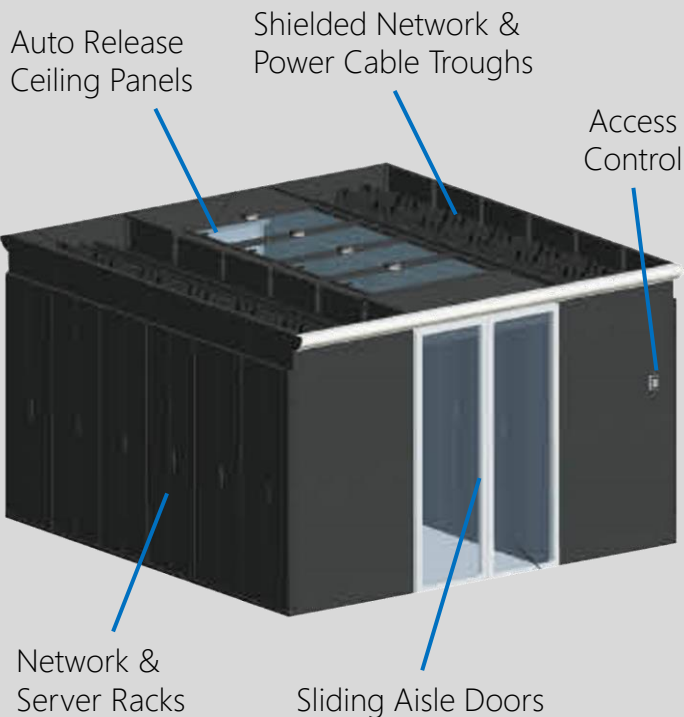
### Modular Components

- Server & Network Rack with Roof Panels
- Scalable for Future Expansion
- Conform to Tile Floor Dimensions

### Assembled Doors

- Automatic Sliding Tracks
- Fully Sealed Operation
- Access Control

### System Components & Accessories



Power Control Box



Bottom Seal



Telescopic Chimneys



Top Cable Troughs





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Power



Protect



Cool



Connect

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