UltraRack®

IT Rack Solutions to Future Proof Your Data Center



AUSTIN HUGHES®

Intentionally
Left
Blank



SR & NSR series Sophisticated IT Server Racks

The new UltraRack® server rack suits almost every 19″ rackmount requirement and environment in the global data center, banking, finance, retail, healthcare, telecom, government and academic sectors. We designed the UltraRack with maximum efficiency in terms of performance, cost, process and compatibility. The new SR & NSR series combine next-generation structural integrity, airflow & cooling, cabling management, ease-of-use capabilities, and a wide range of configuration options for increased flexibility. With our innovative approach, the SR & NSR series incorporate more functionality than any other basic server rack system in the market.

RoHS2 COMPLIANCE REACH Green Production

UltraRack® is recognized as RoHS2 and REACH compliant by an SGS accredited test laboratory.

ISO-Certified 9001 14001

The design and manufacturing process of the UltraRack® series achieves the BSi ISO9001 Quality Control and ISO14001 Environmental Management standards.

SR Rack

1500 kg 3300 lb



- Heavy-duty framework supports up to a 1500 kg static load
- Perforated rack doors ensure ideal airflow patterns
- Well-engineered to accommodate tool-less mounting of up to 4 rack PDUs
- Framework allows multi-directional cable pathways and numerous efficient cabling options
- Easy to deploy and adapt to aisle containment systems for more efficient airflow management
- Quick release mechanism for doors and split side panels
- Tool-less adjustment for front and rear 19" rails
- Individually keyed locks upgrade available (up to 500)
- Built following EIA-310 standards to support multiple brands of servers and 19” rackmount equipment

NSR Rack

1000 kg 2200 lb



- Rigid framework supports up to a 1000 kg static load
- Perforated rack doors ensure ideal airflow patterns
- Well-engineered to accommodate tool-less mounting of up to 2 rack PDUs
- Framework provides cable pathways and efficient cabling options
- Easy to deploy and adapt to aisle containment systems for more efficient airflow management
- Quick release mechanism for doors and side panels
- Tool-less adjustment for front and rear 19″ rails
- Individually keyed locks upgrade available (up to 500)
- Built following EIA-310 standards to support multiple brands of servers and 19” rackmount equipment

>>> SR Rack



Standard Configuration	600W	800W
- Static loading capacity	1500 kg	
- Adjustable 19" rails w/ unit marks: front & rear pairs	✓	✓
- Plain top cover: left & right cable access cut-outs with brush	✓	✓
- Cable management tray (hook & loop type)	✓	✓
- Full height cable brush: left & right sides	–	✓ *
- Finger guide for rack: left & right sides	–	✓ *
- Cable rings on the front: 88 x 180mm, pack of 10	–	✓ *
- Cable rings on the rear: 88 x 120mm, pack of 10	✓ *	✓ *
- Front honeycomb perforated door w/ swing handle lock set	✓	✓
- Split rear honeycomb perforated door w/ swing handle lock set	✓	✓
- Split side panel w/ lock & latch: pair	✓	✓
- Well-engineered to accommodate tool-less PDU mounting: 4 ea	✓	✓
- Heavy duty casters & adjustable feet set	✓	✓
- Dynamic earthing kit	✓	✓
- M6 mounting screws: pack of 50	✓	✓
- Standard color: Jet Black (RAL-9005)	✓	✓

Optional *

600W		Width		Depth				Height			
				Overall (door to door)		Effective (frame to frame)		Overall (w/ casters)		Effective	
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
42U	SR-6942	600	24"	972	38"	900	35"	2035	80"	1867	74"
	SR-6042	600	24"	1072	42"	1000	39"	2035	80"	1867	74"
	SR-6242	600	24"	1200	47"	1128	44"	2035	80"	1867	74"
45U	SR-6945	600	24"	972	38"	900	35"	2168	85"	2000	79"
	SR-6045	600	24"	1072	42"	1000	39"	2168	85"	2000	79"
	SR-6245	600	24"	1200	47"	1128	44"	2168	85"	2000	79"
47U	SR-6947	600	24"	972	38"	900	35"	2257	89"	2089	82"
	SR-6047	600	24"	1072	42"	1000	39"	2257	89"	2089	82"
	SR-6247	600	24"	1200	47"	1128	44"	2257	89"	2089	82"
52U	SR-6952	600	24"	972	38"	900	35"	2480	98"	2312	91"
	SR-6052	600	24"	1072	42"	1000	39"	2480	98"	2312	91"
	SR-6252	600	24"	1200	47"	1128	44"	2480	98"	2312	91"



** Custom sizes on request

800W		Width		Depth				Height			
				Overall (door to door)		Effective (frame to frame)		Overall (w/ casters)		Effective	
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
42U	SR-8942	800	31"	972	38"	900	35"	2035	80"	1867	74"
	SR-8042	800	31"	1072	42"	1000	39"	2035	80"	1867	74"
	SR-8242	800	31"	1200	47"	1128	44"	2035	80"	1867	74"
45U	SR-8945	800	31"	972	38"	900	35"	2168	85"	2000	79"
	SR-8045	800	31"	1072	42"	1000	39"	2168	85"	2000	79"
	SR-8245	800	31"	1200	47"	1128	44"	2168	85"	2000	79"
47U	SR-8947	800	31"	972	38"	900	35"	2257	89"	2089	82"
	SR-8047	800	31"	1072	42"	1000	39"	2257	89"	2089	82"
	SR-8247	800	31"	1200	47"	1128	44"	2257	89"	2089	82"
52U	SR-8952	800	31"	972	38"	900	35"	2480	98"	2312	91"
	SR-8052	800	31"	1072	42"	1000	39"	2480	98"	2312	91"
	SR-8252	800	31"	1200	47"	1128	44"	2480	98"	2312	91"



** Custom sizes on request

600W

Standard Split Side Panels

Quick access design for service from side panel

Plain Top Cover

Cable entry holes with brush on top left & right sides



Fully Perforated Front Door

80% perforation for generous airflow w/ swing handle lock

Fully Perforated Split Rear Door

Space-saving design for narrow aisles w/ swing handle lock

800W

Standard Split Side Panels

Quick access design for service from side panel

Plain Top Cover

Cable entry holes with brush on top left & right sides



Fully Perforated Front Door

Perforated w/ swing handle lock

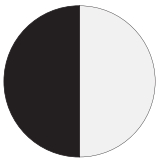
Fully Perforated Split Rear Door

Space-saving design for narrow aisles w/ swing handle lock

Standard Color

- Jet Black (RAL 9005)
- White (RAL 9016)

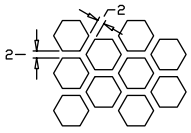
** Custom colors on request

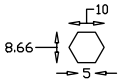


Fully Perforated Door

- Door ventilation up to 80% perforated area
- Stylish hexagon pattern







Unit: mm



Standard Configuration	600W	800W
- Static loading capacity	1000 kg	
- Adjustable 19" rails w/ unit marks: front & rear pairs	✓	✓
- Plain top cover: left & right cable access cut-outs with brush	✓	✓
- Cable management tray (hook & loop type)	✓	✓
- Full height cable brush: left & right side	–	✓ *
- Finger guide for rack: left & right side	–	✓ *
- Cable rings on the front: 88 x 180mm, pack of 10	–	✓ *
- Cable rings on the rear: 88 x 120mm, pack of 10	✓ *	✓ *
- Front honeycomb perforated door w/ swing handle lock set	✓	✓
- Split rear honeycomb perforated door w/ swing handle lock set	✓	✓
- Side panel w/ lock & latch: pair	✓	✓
- Well-engineered to accommodate tool-less PDU mounting: 2 ea	✓	✓
- Heavy duty casters & adjustable feet set	✓	✓
- Dynamic earthing kit	✓	✓
- M6 mounting screws: pack of 50	✓	✓
- Standard color: Jet Black (RAL-9005)	✓	✓

Optional *

600W		Width		Depth				Height			
				Overall (door to door)		Effective (frame to frame)		Overall (w/ casters)		Effective	
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
37U	NSR-6637	600	24"	672	26"	600	24"	1813	71"	1645	65"
	NSR-6837	600	24"	872	34"	800	31"	1813	71"	1645	65"
	NSR-6937	600	24"	972	38"	900	35"	1813	71"	1645	65"
	NSR-6037	600	24"	1072	42"	1000	39"	1813	71"	1645	65"
	NSR-6237	600	24"	1200	47"	1128	44"	1813	71"	1645	65"
42U	NSR-6642	600	24"	672	26"	600	24"	2035	80"	1867	74"
	NSR-6842	600	24"	872	34"	800	31"	2035	80"	1867	74"
	NSR-6942	600	24"	972	38"	900	35"	2035	80"	1867	74"
	NSR-6042	600	24"	1072	42"	1000	39"	2035	80"	1867	74"
	NSR-6242	600	24"	1200	47"	1128	44"	2035	80"	1867	74"
45U	NSR-6845	600	24"	872	34"	800	31"	2168	85"	2000	79"
	NSR-6945	600	24"	972	38"	900	35"	2168	85"	2000	79"
	NSR-6045	600	24"	1072	42"	1000	39"	2168	85"	2000	79"
	NSR-6245	600	24"	1200	47"	1128	44"	2168	85"	2000	79"
47U	NSR-6847	600	24"	872	34"	800	31"	2257	89"	2089	82"
	NSR-6947	600	24"	972	38"	900	35"	2257	89"	2089	82"
	NSR-6047	600	24"	1072	42"	1000	39"	2257	89"	2089	82"
	NSR-6247	600	24"	1200	47"	1128	44"	2257	89"	2089	82"



* 17U / 22U / 27U available
** Custom sizes on request

800W		Width		Depth				Height			
				Overall (door to door)		Effective (frame to frame)		Overall (w/ casters)		Effective	
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
37U	NSR-8837	800	31"	872	34"	800	31"	1813	71"	1645	65"
	NSR-8937	800	31"	972	38"	900	35"	1813	71"	1645	65"
	NSR-8037	800	31"	1072	42"	1000	39"	1813	71"	1645	65"
	NSR-8237	800	31"	1200	47"	1128	44"	1813	71"	1645	65"
42U	NSR-8642	800	31"	672	26"	600	24"	2035	80"	1867	74"
	NSR-8842	800	31"	872	34"	800	31"	2035	80"	1867	74"
	NSR-8942	800	31"	972	38"	900	35"	2035	80"	1867	74"
	NSR-8042	800	31"	1072	42"	1000	39"	2035	80"	1867	74"
	NSR-8242	800	31"	1200	47"	1128	44"	2035	80"	1867	74"
45U	NSR-8845	800	31"	872	34"	800	31"	2168	85"	2000	79"
	NSR-8945	800	31"	972	38"	900	35"	2168	85"	2000	79"
	NSR-8045	800	31"	1072	42"	1000	39"	2168	85"	2000	79"
	NSR-8245	800	31"	1200	47"	1128	44"	2168	85"	2000	79"
47U	NSR-8847	800	31"	872	34"	800	31"	2257	89"	2089	82"
	NSR-8947	800	31"	972	38"	900	35"	2257	89"	2089	82"
	NSR-8047	800	31"	1072	42"	1000	39"	2257	89"	2089	82"
	NSR-8247	800	31"	1200	47"	1128	44"	2257	89"	2089	82"



** Custom sizes on request

600W

Plain Top Cover

Cable entry holes with brush on top left & right sides

Standard Plain Side Panel

Tool-less installation or removal when maximizing systems or equipment density



Fully Perforated Front Door

80% perforation for generous airflow w/ swing handle lock

Fully Perforated Split Rear Door

Space-saving design for narrow aisles w/ swing handle lock

800W

Plain Top Cover

Cable entry holes with brush on top left & right sides

Standard Plain Side Panel

Tool-less installation or removal when maximizing systems or equipment density



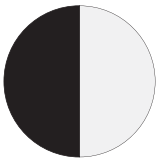
Fully Perforated Front Door

Perforated w/ swing handle lock

Fully Perforated Split Rear Door

Space-saving design for narrow aisles w/ swing handle lock

Standard Color



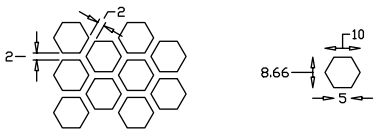
- Jet Black (RAL 9005)
- White (RAL 9016)

** Custom colors on request

Fully Perforated Door



- Door ventilation up to 80% perforated area
- Stylish hexagon pattern



Unit: mm

Door (600W/800W wide)



Glass

Tempered glass for safety and durability



Steel Vented

Solid steel with top and bottom ventilation



Fully Perforated 2 Co-location

Glass or steel doors available

** Individual keyed locks optional

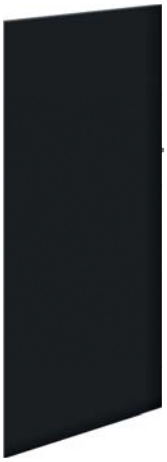


Fully Perforated 4 Co-location

Glass or steel doors available

** Individual keyed locks optional

Side Panel

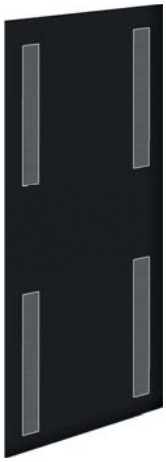


Side Partition Plain



Side Partition w/ Cable Entry

Cable entry size: 75 x 600 mm



Side Partition w/ Cable Brush

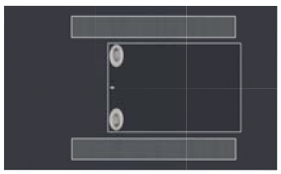
Cable entry size: 75 x 600 mm

Hole contains brushes to control airflow

600W Top Cover

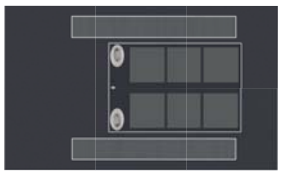
Plain Top Cover

Cable entry holes on top left & right side (75 x 480 mm/75 x 600 mm)



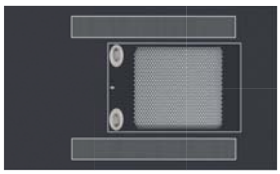
Top Cover w/ 2-Fans / 4-Fans / 6-Fans

Cable entry holes on left & right sides (75 x 480 mm/75 x 600 mm)



Perforated Top Cover

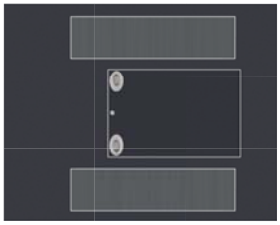
Cable entry holes on left & right sides (75 x 480 mm/75 x 600 mm)



800W Top Cover

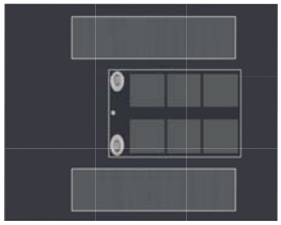
Plain Top Cover

Cable entry holes on left & right sides (150 x 480 mm/150 x 600 mm)



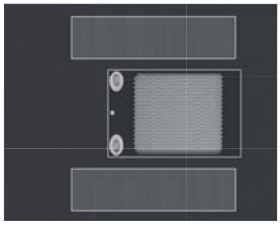
Top Cover w/ 2-Fans / 4-Fans / 6-Fans

Cable entry holes on left & right sides (150 x 480 mm/150 x 600 mm)



Perforated Top Cover

Cable entry holes on left & right sides (150 x 480 mm/150 x 600 mm)



Based on measurements at multiple data centers, as much as 50% of valuable conditioned air does not reach IT equipment intakes - mainly due to unsealed openings in racks. Because of this bypass air, a full range of rack and aisle sealing components is essential for increasing cooling efficiency and ultimately improving equipment reliability.



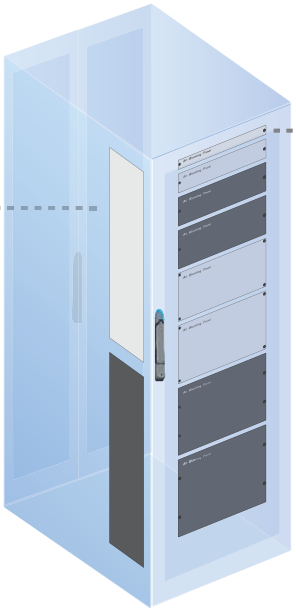
UltraRack® is designed to enhance thermal management in data centers by creating a one-way path for air to flow that mitigates mixing of hot and cold air. An ideal data center environment is created with the use of Air Blanking Panels and Gap Sealing Kits within aisle containment systems and server racks.

Full Height Air Blanking Panel Front left & right side

- Used to cover open spaces in racks to maintain a proper airflow
- Reduces hot air recycling from active equipment to the cold aisle
- Made of steel for strength and durability
- Black or grey white color

SR Part no. : ABP-V42U-SR, ABP-V45U-SR, ABP-V47U-SR, ABP-V52U-SR

NSR Part no. : ABP-V37U-NSR, ABP-V42U-NSR, ABP-V45U-NSR, ABP-V47U-NSR



Tool-less Air Blanking Panel, 1 ea

- Quick snap-in and release by turning fasteners
- EIA-310-D compliant for 19" equipment
- Rounded design eliminates sharp corners
- Plastic option for enhanced aesthetics & lightweight
- Steel option for strength & 1 ~ 8U height selections
- Plastic Panel: Height - 1U; Color - Black
- Steel Panel: Height - 1U / 2U / 3U / 4U / 5U / 6U / 7U / 8U; Color - Black or grey white

Part no. :

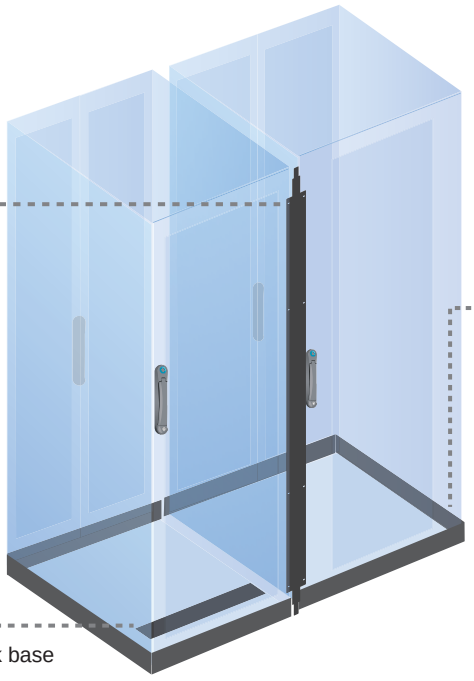
ABP-1P (Plastic)

ABP-1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 (Steel)

Bay Seal Kit, 1 ea

- Seals space between two bayed racks without side panels
- Eliminates bypass air from front to rear
- Designed for front only
- For SR series only

SR Part no. : SSK-42U, SSK-45U, SSK-47U, SSK-52U



Front Bottom Seal Kit, 1 ea

- Seals spacing between the floor and rack base
- Eliminates bypass air
- Designed for front only
- For SR series only

SR Part no. : BSK-SR

Rack to Floor Seal Kit, pair

- Seals spacing between the floor and rack base
- Eliminates bypass air
- Only available for racks with casters
- Front and rear seal kit for each bayed rack
- Left and right side seal kit for the row end racks

SR Part no. :

PSK-600W-SR (front & rear)
PSK-800W-SR (front & rear)

PSK-1000D-SR (left & right)
PSK-1200D-SR (left & right)

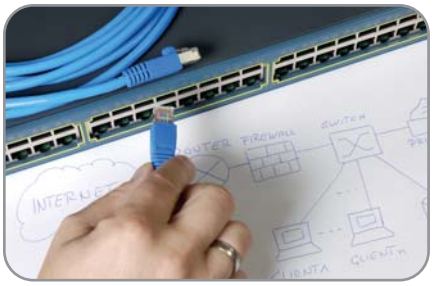
NSR Part no. :

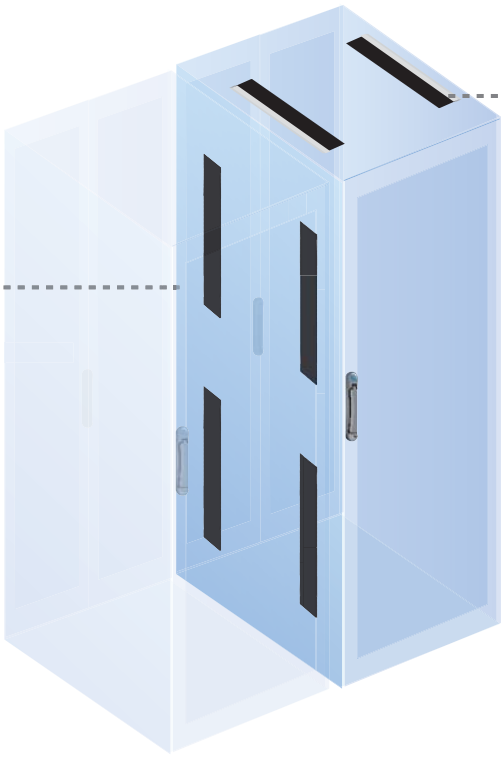
PSK-600W-NSR (front & rear)
PSK-800W-NSR (front & rear)

PSK-1000D-NSR (left & right)
PSK-1200D-NSR (left & right)

The primary purpose of cable management is to maintain optimal airflow and facilitate installations, upgrades & servicing of IT systems. As the number of IT components within each rack continues to increase, so do the number of power and data cables required.

Recognizing these challenges, Austin Hughes has responded with a comprehensive selection of optional components that allow users to pick the ideal cable management solution for their particular IT environment.





Top Cable Entry with Brush left & right

- Top brushed seals prevents undesirable dust and hot air recirculation

Part no. : TCB-602A
- Cable entry size: 75 x 480 mm
(For 800 mm/900 mm deep rack)

Part no. : TCB-602B
- Cable entry size: 75 x 600 mm
(For 1000 mm/1200 mm deep rack)

Side Partition with Cable Brush, 1 ea

- Ideal for bayed racks
- Cable entry size: 75 x 600 mm
- Allows cable passage to adjacent racks
- Cutouts contain brushes to control airflow

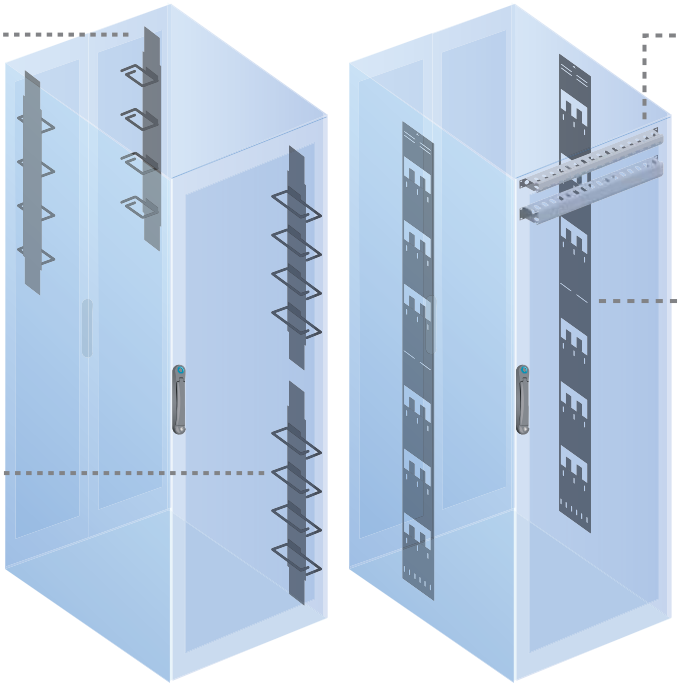
SR Part no. : BVP-4210-SR / 4212-SR
BVP-4510-SR / 4512-SR
BVP-4710-SR / 4712-SR
BVP-5210-SR / 5212-SR

NSR Part no. : BVP-3710-NSR / 3712-NSR
BVP-4210-NSR / 4212-NSR
BVP-4510-NSR / 4512-NSR
BVP-4710-NSR / 4712-NSR

Ring Cable Manager, pair

- Size: 120 x 1023 x 100 mm
- 120mm cable ring x 4
- Material: Steel
- Positioned on the rear

Part no. : RCM-120



Cable Management Panel, 1 ea

- Handles numerous cables

Part no. : CMP-1B (1U)
CMP-2B (2U)

Full Height Cable Tray (hook & loop type), pair

- Width: 150 mm

Part no. : CT-37U-W150 (37U)
CT-42U-W150 (42U)
CT-45U-W150 (45U)
CT-47U-W150 (47U)
CT-52U-W150 (52U)

- Width: 75 mm

Part no. : CT-17U-W75 (17U)
CT-22U-W75 (22U)
CT-27U-W75 (27U)

Ring Cable Manager, pair

- Size: 180 x 1023 x 100 mm
- 180mm cable ring x 4
- Material: Steel
- Positioned on the front

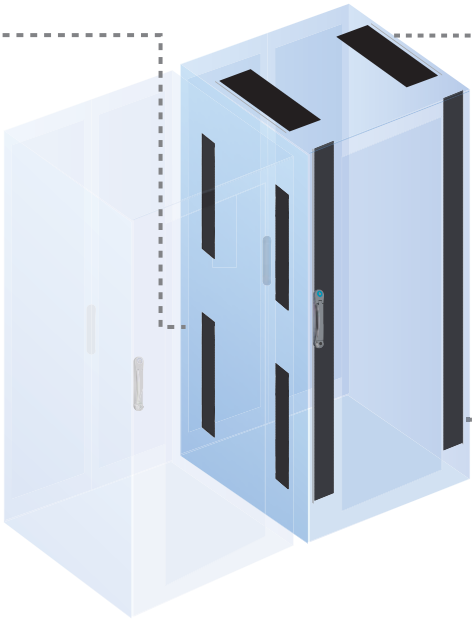
Part no. : RCM-180

Side Partition with Cable Brush, 1 ea

- Ideal for bayed racks
- Cable entry size: 75 x 600 mm
- Allows cable passage to adjacent racks
- Cutouts contain brushes to control airflow

SR Part no. : BVP-4210-SR / 4212-SR
BVP-4510-SR / 4512-SR
BVP-4710-SR / 4712-SR
BVP-5210-SR / 5212-SR

NSR Part no. : BVP-3710-NSR / 3712-NSR
BVP-4210-NSR / 4212-NSR
BVP-4510-NSR / 4512-NSR
BVP-4710-NSR / 4712-NSR



Top Cable Entry with Brush left & right

- Top brushed seals prevent undesirable dust and hot air recirculation

Part no.: TCB-802A
- Cable entry size : 150 x 480 mm
(For 800 mm/900 mm deep rack)

Part no.: TCB-802B
- Cable entry size : 150 x 600 mm
(For 1000 mm/1200 mm deep rack)

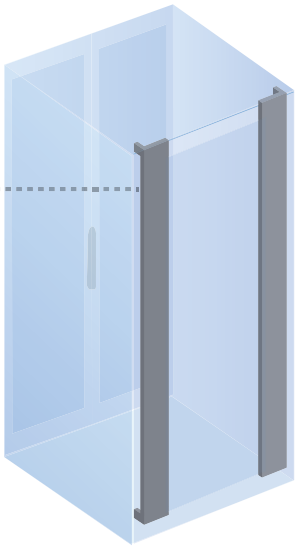
Full Height Cable Brush left & right

- Brush width: 100 mm
- Provides proper airflow within the rack while allowing cables to pass through

Part no. :
VCB- 37U / 42U / 45U / 47U / 52U

Cable Cover Panel, pair

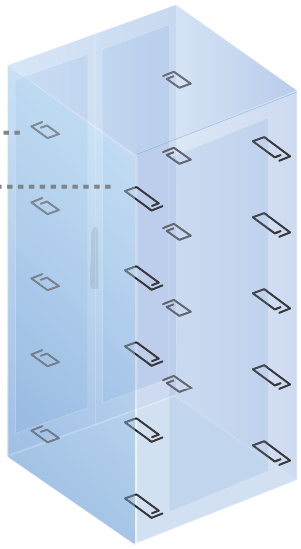
Part no. : VCP-37U (37U)
VCP-42U (42U)
VCP-45U (45U)
VCP-47U (47U)
VCP-52U (52U)



Cable Ring, pack of 10

- Size: 88 x 180 mm (front)
88 x 120 mm (rear)
- Rigid steel construction

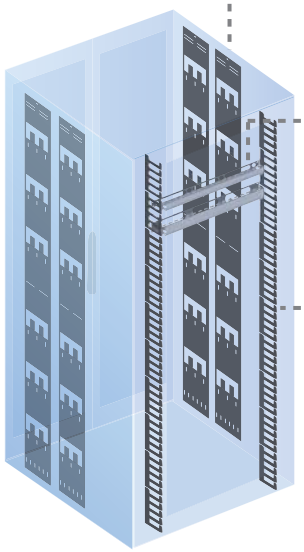
Part no. : CMR-180P (front)
CMR-120P (rear)



Full Height Cable Tray (hook & loop type), pair

- Width: 150 mm

Part no. : CT-37U-W150 (37U)
CT-42U-W150 (42U)
CT-45U-W150 (45U)
CT-47U-W150 (47U)
CT-52U-W150 (52U)



Cable Management Panel, 1 ea

- Handles numerous cables

Part no. : CMP-1B (1U)
CMP-2B (2U)

Finger Guide, pair

- Provides an organized cable system
- Material: Plastic
- Depth: 105 mm

Part no. : FG-35U (37U)
FG-40U (42U)
FG-45U (45U/47U)
FG-50U (52U)

Ring Cable Manager, pair

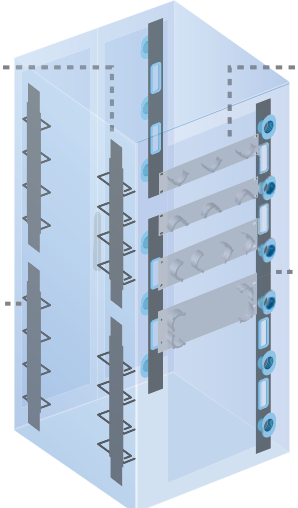
- Size: 180 x 1023 x 100 mm
- 180mm cable ring x 4
- Material: Steel
- Positioned on the front

Part no. : RCM-180

Ring Cable Manager, pair

- Size: 120 x 1023 x 100 mm
- 120mm cable ring x 4
- Material : Steel
- Positioned on the rear

Part no. : RCM-120



Fibre Management Panel, 1 ea

- Maintains a neat & organized cable layout

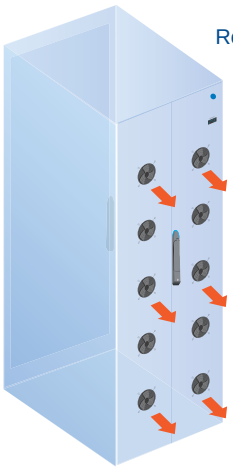
Part no. : FMP-2B (2U)
FMP-3B (3U)
FMP-4B (4U)

Fibre Management Channel, pair

- Material: Steel/Plastic
- Positioned on the front or rear

Part no. : FMC-37U
FMC-42U
FMC-45U
FMC-47U
FMC-52U

Thermal management presents big challenges for today's data centers, chief among which is cooling equipment in enclosed racks. InfraCool® intelligent cooling solutions provide appropriate airflow, while helping minimize operational costs associated with data center energy consumption. Make InfraCool an integral part of your rack cooling strategy today.

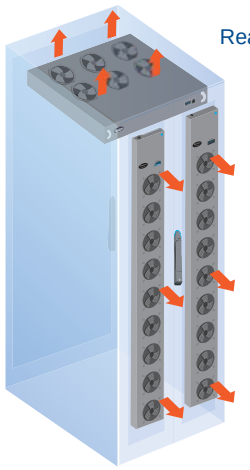


Extraction Fan Door

- Remove hot exhaust air and prevent build-up of heated air inside the rack, which can cause equipment to overheat and shut down
- Provides a total of 1080 CFM peak exhaust airflow
- Front temp. LED w/ included temp. sensor (1 ea.)
- Fan ON/OFF by door switch for safety
- Swing handle lock included
- Black or grey white color

Part no. (600W full width door) :	**Part no.** (600W middle split door) :
EXD-37.6-VH	EXDS-37.6-VH
EXD-42.6-VH	EXDS-42.6-VH
EXD-45.6-VH	EXDS-45.6-VH
EXD-47.6-VH	EXDS-47.6-VH
EXD-52.6-VH	EXDS-52.6-VH

Part no. (800W full width door) :	**Part no.** (800W middle split door) :
EXD-37.8-VH	EXDS-37.8-VH
EXD-42.8-VH	EXDS-42.8-VH
EXD-45.8-VH	EXDS-45.8-VH
EXD-47.8-VH	EXDS-47.8-VH
EXD-52.8-VH	EXDS-52.8-VH



33U Door Mount Extraction Fan Panel

- Improve heat extraction from high density racks
- Front temp. LED w/ included temp. sensor (1 ea.)
- Easy installation with common tools
- Slim and lightweight design
- Designed for low noise and high airflow performance
- 9 fans (972 CFM)

Intelligent (Master) : MRF-33.9A
Intelligent (Slave) : RF-33.9A
Basic : F-33.9A

1U Fan Tray

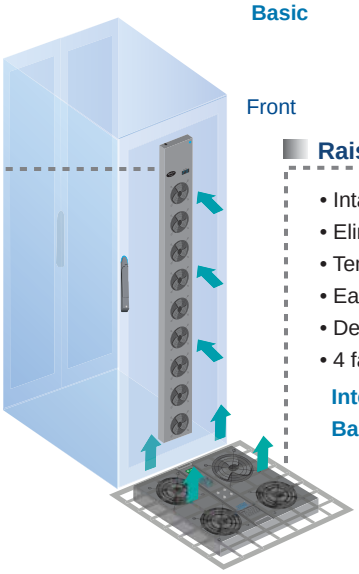
- Mount the fan tray in the uppermost slot to exhaust hot air
- Mount the fan tray in the middle to help avoid hot spots
- Mount the fan tray in the bottom 1U slot to bring in cool air
- Front temp. LED w/ included temp. sensor (1 ea.)
- Provides low noise and high airflow performance
- 9 fans (972 CFM) / 6 fans (648 CFM) / 3 fans (324 CFM)

Intelligent (Master) : MRF-1.3 / MRF-1.6 / MRF-1.9
Intelligent (Slave) : RF-1.3 / RF-1.6 / RF-1.9
Basic : F-1.3 / F-1.6 / F-1.9

33U Door Mount Intake Fan Panel

- Intake air from cold aisle into the rack
- Front temp. LED w/ included temp. sensor (1 ea.)
- Easy installation with common tools
- Slim and light weight design
- Designed for low noise and high airflow performance
- 9 fans (972 CFM)

Intelligent (Master) : MRF-33.9B
Intelligent (Slave) : RF-33.9B
Basic : F-33.9B



Raised Floor Mount Fan Unit

- Intake underfloor cold air into the aisle and rack
- Eliminate hot spots by proper airflow distribution
- Temp. LED w/ included temp. sensors (2 ea.)
- Easy installation without moving racks
- Designed for high airflow performance
- 4 fans (2172 CFM)

Intelligent : WF-66.4
Basic : F-66.4

Details **www.austin-hughes.com/infracool**

Rapidly escalating power requirements require a complete suite of rack PDU models to help data center managers meet rising demand.

InfraPower® intelligent PDUs can be integrated with your rack to provide power management, including monitoring from the PDU branch level on down to the outlet. Switched models are also available that can provide remote on/off outlet switching functionality from anywhere in the world. Offered in many sizes and configurations, our PDUs provide the voltage, current, outlet number and type of connections required to fit any need.







PDU series	Basic	Metered	Monitored		Switched	
		MD	W	Wi	WS	WSi
Outlet Level Measurement Over IP				✔		✔
Outlet ON / OFF Switching Over IP					✔	✔
Circuit / Phase Amp - kWh Measurement			✔	✔	✔	✔
Hot-Swappable Meter			✔	✔	✔	✔
Billing Grade Meter Accuracy Within +/- 1%			✔	✔	✔	✔
1.8" Color LCD Meter (1-Phase)			✔	✔	✔	✔
2.8" Color Touch LCD Meter (3-Phase)			✔	✔	✔	✔
32 / 16 Daisy Chained PDUs Supported on 1 IP			✔	✔	✔	✔
Free Management Software			✔	✔	✔	✔
SNMP Capability V2 / V3			✔	✔	✔	✔
Phase Balance % for 3-Phase PDUs			✔	✔	✔	✔
Temp., Humidity, Airflow & Door Sensors			✔	✔	✔	✔
RCM (Residual Current Monitoring Module)			✔	✔	✔	✔
Door Mount PDU Panel w/ 4.3” Color LCD			✔	✔	✔	✔
Wifi Kit (One Kit Supports Max. 32 PDUs)			✔	✔	✔	✔
Local Meter		✔	✔	✔	✔	✔
Resettable Fuse / Hydraulic MCB	✔	✔	✔	✔	✔	✔
ELCR / Surge Protector / EMI Filter	✔	✔	✔	✔	✔	✔
Tool-less Mounting for Vertical PDU	✔	✔	✔	✔	✔	✔
0U / 1U / 2U Form Factors	✔	✔	✔	✔	✔	✔
Operating Temperature -5°C to 60°C	✔	✔	✔	✔	✔	✔
1-Phase : 230V / 208V / 110V	✔	✔	✔	✔	✔	✔
1-Phase Dual Feed: 230V / 208V / 110V	✔	✔	✔	✔	✔	✔
3-Phase : 400V / 208V	✔		✔	✔	✔	✔
3-Phase Dual Feed: 400V / 208V	✔		✔	✔	✔	✔
Outlet: US NEMA / C13 / C19 / UK / SCH / FR	✔	✔	✔	✔	✔	✔
Lockable IEC	✔	✔	✔	✔	✔	✔
Fused IEC	✔	✔	✔	✔	✔	✔
Custom PDUs on Request	✔	✔	✔	✔	✔	✔

Details https://www.austin-hughes.com/hk-en/infrapower



CR series Universal Cable Management Solution

Managing network infrastructure is integral to data centers, and end-to-end solutions are required to achieve proper cable management. The CR series 2-post rack system provides high capacity cabling options and a comprehensive selection of accessories to meet the varying needs of any environment.

RoHS2 COMPLIANCE REACH Green Production

The CR series is recognized as RoHS2 & REACH compliant by an SGS accredited test laboratory.

ISO-Certified 9001 14001

The design and manufacturing process of the CR series achieves the BSi ISO9001 Quality Control and ISO14001 Environmental Management standards.

1000 kg 2200 lb

CR series rack holds static loads up to 1000 kg/2200 lbs

Standard Package / Size

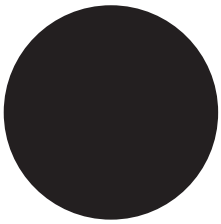
	Model No.	Width		Depth		Height			
						Overall		Effective	
		mm	inch	mm	inch	mm	inch	mm	inch
42U	CR-742A	700	28"	580	23"	2135	84"	1867	74"
	CR-742B	700	28"	580	23"	2135	84"	1867	74"
	CR-842A	800	31"	580	23"	2135	84"	1867	74"
	CR-842B	800	31"	580	23"	2135	84"	1867	74"

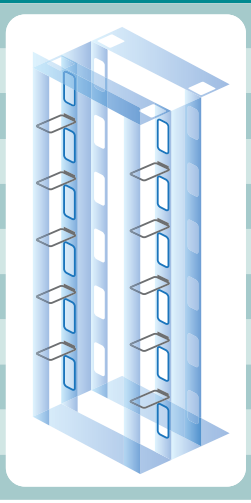
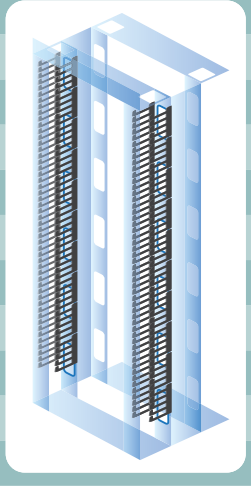
**Custom sizes on request

Standard Color

- Jet Black (RAL 9005)

** Custom colors on request



Package A (Bundled with Cable Rings)		Configuration		Package B (Bundled with Finger Guides)
	✓	Static loading: 1000 kg/2200 lb	✓	
	✓	Color: Black	✓	
	✓	Basic framework	✓	
	✓	Removable hinged cover, front pair	✓	
	✓	Cable ring for front, 10 pc	✗	
	✗	Finger guides for front, 2 pairs	✓	
	✓	Top/bottom cable access openings	✓	
	✓	Side cable access cutouts (front/rear)	✓	
	✓	Foam rubber grommets included for front cutouts	✓	
	✓	Mounting holes for grounding bar	✓	
	✓	M6 mounting screws, pack of 50	✓	

*** either finger guide or cable ring only**

Cable Management Options

Top Cable Access Opening

- Size: 690 x 195 mm (700 wide CR rack)
  790 x 240 mm (800 wide CR rack)

Top Cable Shielding Panel

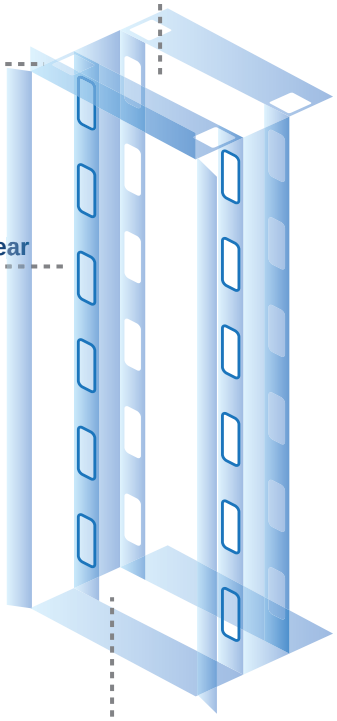
- Offers enhanced cable aesthetics
- Provides organized cable management

Side Cable Access Cut Outs, front & rear

- Size: 50 x 140 mm
- 12 cut outs positioned each side (front & rear)
- Foam rubber grommets included for front

Removable Hinged Cover, front

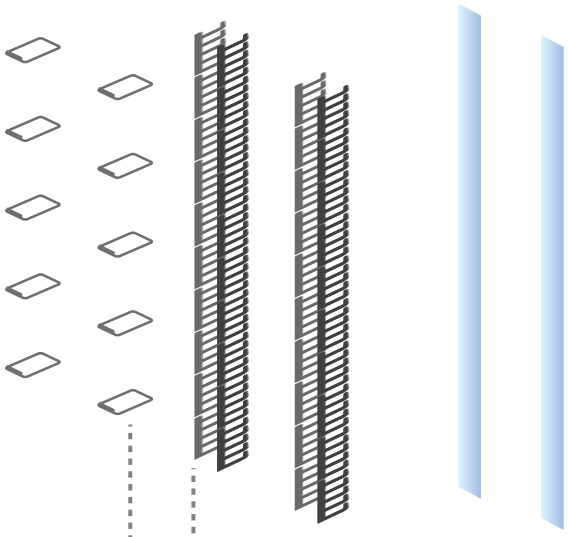
- Stylish and easy-to-use design
- Secures and shields cables
- Included for Packages A & B



Bottom Cable Access Opening

- Size: 690 x 195 mm (700 wide CR rack)
  790 x 240 mm (800 wide CR rack)

Options for Rear Side Cabling



Removable hinged cover

- Extra for rear side

Finger Guide

- Provides an organized cable management system
- 2 pairs of finger guides required
- Material: Plastic
- Depth: 105 mm

Part no. : FG-40U (42U)

Cable Rings, pack of 10

- Size: 100 x 147 mm (700W CR)
  150 x 137 mm (800W CR)
- Rigid construction
- Material: Steel

Part no. :

CMR-700P (700W CR rack)

CMR-800P (800W CR rack)

Accessories

Cable Management Panel, 1 ea

- Handles numerous cables

Part no. :

CMP-1B (1U)

CMP-2B (2U)

Cantilever shelf

Part no. :

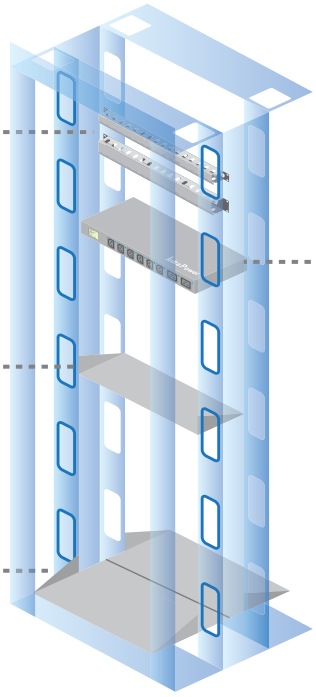
MS19 (190 mm deep)

MS40 (400 mm deep)

Heavy Duty Shelf, pair

Part no. :

CR-S19 (650 mm deep)



1U/2U Rackmount PDU

Outlet: US NEMA / C13 / C19 / UK / SCH / FR
Lockable IEC
Fused IEC

Series: Basic
Metered
Intelligent Monitored
Intelligent Monitored + Outlet Measurement
Intelligent Switched
Intelligent Switched + Outlet Measurement

Phase: 1-Phase 230V / 208V / 110V
3-Phase 400V / 208V



BR series 19" Wall-Mount Solution

For environments where physical floor space is at a premium, wall-mount racks are an excellent way to provide flexible rackmounting options. The robust and cost efficient BR series wall-mount rack is ideal for telecom, academic, retail, hospital, warehouse, and other applications with limited floor space.

RoHS2 COMPLIANCE REACH Green Production

BR series is recognized as RoHS2 & REACH compliant by an SGS accredited test lab.

ISO-Certified 9001 14001

The design and manufacturing process of the BR series achieves the BSi ISO9001 Quality Control and ISO14001 Environmental Management standards.

50 kg 110 lb

BR series rack holds up to a 50 kg/110 lb load.

Standard Package / Size

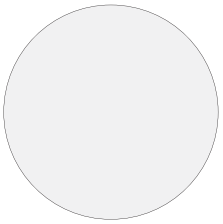
	Model No.	Width		Depth		Height			
						Overall		Effective	
		mm	inch	mm	inch	mm	inch	mm	inch
6U	BR-6.5	600	24"	537	21"	343	14"	267	11"
	BR-6.6	600	24"	637	25"	343	14"	267	11"
9U	BR-9.5	600	24"	537	21"	477	19"	400	16"
	BR-9.6	600	24"	637	25"	477	19"	400	16"
12U	BR-12.5	600	24"	537	21"	610	24"	533	21"
	BR-12.6	600	24"	637	25"	610	24"	533	21"
15U	BR-15.5	600	24"	537	21"	743	29"	667	26"
	BR-15.6	600	24"	637	25"	743	29"	667	26"
17U	BR-17.5	600	24"	537	21"	832	33"	756	30"
	BR-17.6	600	24"	637	25"	832	33"	756	30"

**Custom sizes on request

Standard Color

- White (RAL 9016)

** Custom colors on request



Basic Package	Specifications
	Static load: 50 kg/110 lb
	Color: Grey white
	Vented top cover w/ cable access channel
	19" rails, front pair
	Front glass door w/ lock
	Detachable steel rear panel
	Side panel w/ lock, pair
	M6 mounting screws: pack of 20

SR / NSR Rack

Cabling

CT-17U-W75	17U full height cable tray, hook & loop type, 75mm wide, pair
CT-22U-W75	22U full height cable tray, hook & loop type, 75mm wide, pair
CT-27U-W75	27U full height cable tray, hook & loop type, 75mm wide, pair
CT-37U-W150	37U full height cable tray, hook & loop type, 150mm wide, pair
CT-37U-W300	37U full height cable tray, hook & loop type, 300mm wide, pair
CT-42U-W150	42U full height cable tray, hook & loop type, 150mm wide, pair
CT-42U-W300	42U full height cable tray, hook & loop type, 300mm wide, pair
CT-45U-W150	45U full height cable tray, hook & loop type, 150mm wide, pair
CT-45U-W300	45U full height cable tray, hook & loop type, 300mm wide, pair
CT-47U-W150	47U full height cable tray, hook & loop type, 150mm wide, pair
CT-47U-W300	47U full height cable tray, hook & loop type, 300mm wide, pair
CT-52U-W150	52U full height cable tray, hook & loop type, 150mm wide, pair
CT-52U-W300	52U full height cable tray, hook & loop type, 300mm wide, pair
CMP-1B	1U cable management panel
CMP-2B	2U cable management panel
BVP-4210-SR	Side partition w/ cable brush, for SR 42U 1000D rack
BVP-4212-SR	Side partition w/ cable brush, for SR 42U 1200D rack
BVP-4510-SR	Side partition w/ cable brush, for SR 45U 1000D rack
BVP-4512-SR	Side partition w/ cable brush, for SR 45U 1200D rack
BVP-4710-SR	Side partition w/ cable brush, for SR 47U 1000D rack
BVP-4712-SR	Side partition w/ cable brush, for SR 47U 1200D rack
BVP-5210-SR	Side partition w/ cable brush, for SR 52U 1000D rack
BVP-5212-SR	Side partition w/ cable brush, for SR 52U 1200D rack
BVP-3710-NSR	Side partition w/ cable brush, for NSR 37U 1000D rack
BVP-3712-NSR	Side partition w/ cable brush, for NSR 37U 1200D rack
BVP-4210-NSR	Side partition w/ cable brush, for NSR 42U 1000D rack
BVP-4212-NSR	Side partition w/ cable brush, for NSR 42U 1200D rack
BVP-4510-NSR	Side partition w/ cable brush, for NSR 45U 1000D rack
BVP-4512-NSR	Side partition w/ cable brush, for NSR 45U 1200D rack
BVP-4710-NSR	Side partition w/ cable brush, for NSR 47U 1000D rack
BVP-4712-NSR	Side partition w/ cable brush, for NSR 47U 1200D rack

600W Rack

TCB-602A	Top cable entry w/ brush (75 x 480mm), left & right
TCB-602B	Top cable entry w/ brush (75 x 600mm), left & right
RCM-180	Ring cable manager on the front, 180 x 1023 x 100 mm, pair
RCM-120	Ring cable manager on the rear, 120 x 1023 x 100 mm, pair

800W Rack

TCB-802A	Top cable entry w/ brush (150 x 480mm), left & right
TCB-802B	Top cable entry w/ brush (150 x 600mm), left & right
CMR-180P	Cable rings on the front, 88 x 180 mm, pack of 10
CMR-120P	Cable rings on the rear, 88 x 120 mm, pack of 10
FG-35U	Finger guide for 37U rack, set of 2 sides
FG-40U	Finger guide for 42U rack, set of 2 sides
FG-45U	Finger guide for 45U / 47U rack, set of 2 sides
FG-50U	Finger guide for 52U rack, set of 2 sides
VCB-37U	37U full height cable brush, left & right side
VCB-42U	42U full height cable brush, left & right side
VCB-45U	45U full height cable brush, left & right side
VCB-47U	47U full height cable brush, left & right side
VCB-52U	52U full height cable brush, left & right side
VCP-37U	37U cable cover panel, pair
VCP-42U	42U cable cover panel, pair
VCP-45U	45U cable cover panel, pair
VCP-47U	47U cable cover panel, pair
VCP-52U	52U cable cover panel, pair
FMC-37U	37U vertical fibre management channel, pair
FMC-42U	42U vertical fibre management channel, pair
FMC-45U	45U vertical fibre management channel, pair
FMC-47U	47U vertical fibre management channel, pair
FMC-52U	52U vertical fibre management channel, pair

Blanking Panels

ABP-1P	1U tool-less blanking panel, plastic
ABP-1	1U tool-less blanking panel, steel
ABP-2	2U tool-less blanking panel, steel
ABP-3	3U tool-less blanking panel, steel
ABP-4	4U tool-less blanking panel, steel
ABP-5	5U tool-less blanking panel, steel
ABP-6	6U tool-less blanking panel, steel
ABP-7	7U tool-less blanking panel, steel
ABP-8	8U tool-less blanking panel, steel
ABP-V42U-SR	42U SR full height blanking panel, front left & right side
ABP-V45U-SR	45U SR full height blanking panel, front left & right side
ABP-V47U-SR	47U SR full height blanking panel, front left & right side
ABP-V52U-SR	52U SR full height blanking panel, front left & right side
ABP-V37U-NSR	37U NSR full height blanking panel, front left & right side
ABP-V42U-NSR	42U NSR full height blanking panel, front left & right side
ABP-V45U-NSR	45U NSR full height blanking panel, front left & right side
ABP-V47U-NSR	47U NSR full height blanking panel, front left & right side
ABP-V52U-NSR	52U NSR full height blanking panel, front left & right side
BSK-SR	Front bottom seal kit
SSK-42U	42U bay seal kit, for bayed SR racks
SSK-45U	45U bay seal kit, for bayed SR racks
SSK-47U	47U bay seal kit, for bayed SR racks
SSK-52U	52U bay seal kit, for bayed SR racks
PSK-600W-SR	600 mm wide SR rack to floor seal kit, front & rear side
PSK-800W-SR	800 mm wide SR rack to floor seal kit, front & rear side
PSK-1000D-SR	1000 mm deep SR rack to floor seal kit, left & right side
PSK-1200D-SR	1200 mm deep SR rack to floor seal kit, left & right side
PSK-600W-NSR	600 mm wide NSR rack to floor seal kit, front & rear side
PSK-800W-NSR	800 mm wide NSR rack to floor seal kit, front & rear side
PSK-1000D-NSR	1000 mm deep NSR rack to floor seal kit, left & right side
PSK-1200D-NSR	1200 mm deep NSR rack to floor seal kit, left & right side

Extraction Fan Door

EXD-37.6-VH	37U x 600mm wide full width extraction fan door, w/ 10 fans
EXD-42.6-VH	42U x 600mm wide full width extraction fan door, w/ 10 fans
EXD-45.6-VH	45U x 600mm wide full width extraction fan door, w/ 10 fans
EXD-47.6-VH	47U x 600mm wide full width extraction fan door, w/ 10 fans
EXD-52.6-VH	52U x 600mm wide full width extraction fan door, w/ 10 fans
EXDS-37.6-VH	37U x 600mm wide middle split extraction fan door, w/ 10 fans
EXDS-42.6-VH	42U x 600mm wide middle split extraction fan door, w/ 10 fans
EXDS-45.6-VH	45U x 600mm wide middle split extraction fan door, w/ 10 fans
EXDS-47.6-VH	47U x 600mm wide middle split extraction fan door, w/ 10 fans
EXDS-52.6-VH	52U x 600mm wide middle split extraction fan door, w/ 10 fans
EXD-37.8-VH	37U x 800mm wide full width extraction fan door, w/ 10 fans
EXD-42.8-VH	42U x 800mm wide full width extraction fan door, w/ 10 fans
EXD-45.8-VH	45U x 800mm wide full width extraction fan door, w/ 10 fans
EXD-47.8-VH	47U x 800mm wide full width extraction fan door, w/ 10 fans
EXD-52.8-VH	52U x 800mm wide full width extraction fan door, w/ 10 fans
EXDS-37.8-VH	37U x 800mm wide middle split extraction fan door, w/ 10 fans
EXDS-42.8-VH	42U x 800mm wide middle split extraction fan door, w/ 10 fans
EXDS-45.8-VH	45U x 800mm wide middle split extraction fan door, w/ 10 fans
EXDS-47.8-VH	47U x 800mm wide middle split extraction fan door, w/ 10 fans
EXDS-52.8-VH	52U x 800mm wide middle split extraction fan door, w/ 10 fans

Cooling Fan Unit - Basic Model

TF-402	Basic top fan tray for 800mm/900mm deep rack, 2 fans
TF-404	Basic top fan tray for 800mm/900mm deep rack, 4 fans
TF-602	Basic top fan tray for 1000mm/1200mm deep rack, 2 fans
TF-604	Basic top fan tray for 1000mm/1200mm deep rack, 4 fans
TF-606	Basic top fan tray for 1000mm/1200mm deep rack, 6 fans
F-1.3 / 1.6 / 1.9	Basic 1U fan tray, 3 / 6 / 9 fans
F-33.9A	Basic 33U door mount extraction fan panel, 9 fans, for rear door
F-33.9B	Basic 33U door mount intake fan panel, 9 fans, for front door
F-66.4	Basic raised floor mount fan unit, 4 fans

SR / NSR IT Rack

Shelf, 19" Mounting

S37	Fixed shelf, 370 mm deep, 50 kg loading
S44	Fixed shelf, 440 mm deep, 50 kg loading
S58	Fixed shelf, 580 mm deep, 50 kg loading
S70	Fixed shelf, 700 mm deep, 50 kg loading
HS44	Heavy duty fixed shelf, 440 mm deep, 100 kg loading
HS58	Heavy duty fixed shelf, 580 mm deep, 100 kg loading
HS70	Heavy duty fixed shelf, 700 mm deep, 100 kg loading
HS80	Heavy duty fixed shelf, 800 mm deep, 100 kg loading
TS44	Sliding shelf, 440 mm deep, 30 kg loading
TS58	Sliding shelf, 580 mm deep, 30 kg loading
HTS70	Heavy duty sliding shelf, 700 mm deep, 100 kg loading
MS19	Cantilever shelf, 190 mm deep, 20 kg loading
MS40	Cantilever shelf, 400 mm deep, 20 kg loading

Drawer

TSD-2U	2U lockable drawer, 580 mm deep, 30 kg loading
TSD-4U	4U lockable drawer, 580 mm deep, 30 kg loading
RK-1e / b	1U notebook type keyboard drawer with KVM options
RK-2e / b	1U short depth, notebook type keyboard drawer

Others

BK-M10	Top baying bracket x 2, for SR rack
BK-M6	Top baying bracket x 2, for NSR rack
SR-BK	Side baying screw set x 4, for SR rack
NSR-BK	Side baying bracket x 4, for NSR rack
M6	M6 mounting screws, pack of 50
GK	Grounding kit, set of 4
CuB-ET10	Insulated Earth Terminal (MOQ : pack of 5)
CuB-37U	37U copper bus grounding bar, 1 ea. w/ insulator x 3
CuB-42U	42U copper bus grounding bar, 1 ea. w/ insulator x 3
CuB-45U	45U copper bus grounding bar, 1 ea. w/ insulator x 3
CuB-47U	47U copper bus grounding bar, 1 ea. w/ insulator x 3
CuB-52U	52U copper bus grounding bar, 1 ea. w/ insulator x 3

CR 2-Post Rack

Cable Management

CMP-1B	1U cable management panel
CMP-2B	2U cable management panel

Shelf, 19" Mounting

MS19	Cantilever shelf, 190 mm deep, 20 kg loading
MS40	Cantilever shelf, 400 mm deep, 20 kg loading
CR-S19	Heavy duty fixed shelf, 650 mm deep, 100 kg loading

Options for Rear Side Cabling

CMR-700P *	Cable ring, 100 x 147 mm for 700W CR rack, pack of 10
CMR-800P *	Cable ring, 150 x 137 mm for 800W CR rack, pack of 10
FG-40U **	Finger guide for 42U rack, pair
FG-45U **	Finger guide for 45U / 47U rack, pair
FC-42.7	42U hinged cover for CR-742, pair
FC-42.8	42U hinged cover for CR-842, pair
FC-47.7	47U hinged cover for CR-747, pair
FC-47.8	47U hinged cover for CR-847, pair
TSP.7	Top cable shielding panel for CR-742 / 747, pc
TSP.8	Top cable shielding panel for CR-842 / 847, pc
RCC-12	Blue foam rubber cable cutout grommet, pack of 12

*** Supports either finger guides or cable rings only**
**** 2 pairs of finger guides required for rear side cabling**

BR Wall-Mount Rack

Cable Management

CMP-1B	1U cable management panel
CMP-2B	2U cable management panel

Cooling Fan Unit

BR-F2	Top fan tray w/ 2 fans

Shelf, 19" Mounting

MS19	Cantilever shelf, 190 mm deep, 20 kg loading
MS40	Cantilever shelf, 400 mm deep, 20 kg loading

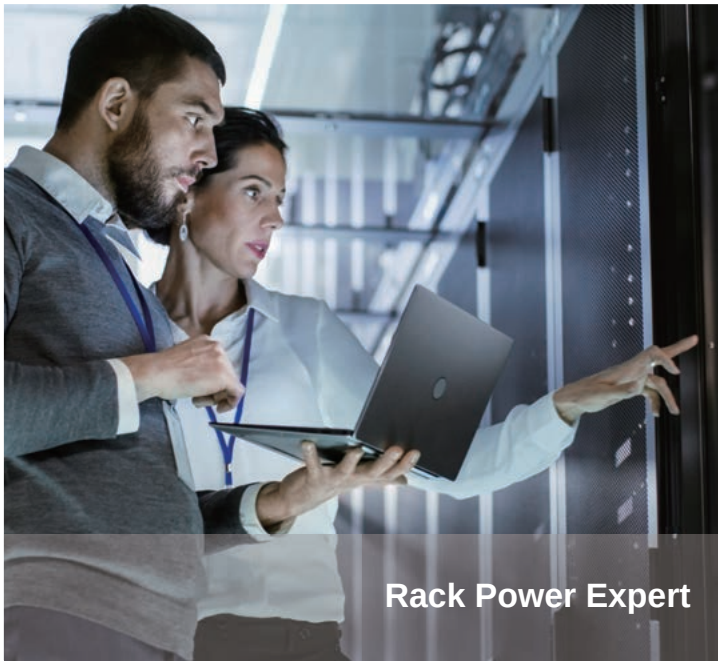
Caster

MC	Lockable casters, set of 4

Intentionally
Left
Blank

Founded in 1995, **Austin Hughes** is a design and manufacturing group that offers a broad range of solutions based around 19 inch rack mount technology: the UltraRack IT server rack series, InfraRack intelligent rack solutions, InfraPower intelligent remote management power solutions, InfraCool intelligent remote cooling systems, InfraGuard environmental sensors and peripherals, InfraSolution remote locking and access control, CyberView LCD KVM switches and UltraView professional displays.

Austin Hughes has ISO14001 and ISO9001 approved design, manufacturing, assembly and test facilities. We support a worldwide customer base through our global locations in the Americas, EMEA, APAC and ASEAN and through an extensive authorized channel partner network.





Americas

Austin Hughes Solutions Inc.
32900 Alvarado-Niles Rd, Suite 150
Union City, CA 94587
United States

inquiry@austin-hughes.com

EMEA

Austin Hughes Europe Ltd.
Unit 1, Chancery Gate Business Centre
Manor House Avenue
Southampton, SO15 0AE
United Kingdom

info@austin-hughes.eu

APAC

Austin Hughes Electronics Ltd.
Unit 3608-12, Cable TV Tower
9 Hoi Shing Road, Tsuen Wan
Hong Kong

inquiry@austin-hughes.com

ASEAN

Austin Hughes Pte. Ltd.
3 Ang Mo Kio Street 62
#07-03 Link@AMK
Singapore 569139

inquiry@austin-hughes.com

Austin Hughes has an extensive distribution network,
including the Americas, EMEA, APAC & ASEAN
Contact your nearest sales office for details of local representation

Distributed by:

Distributor by country on application

Please ask for details of other products from Austin Hughes. Every effort has been made to ensure that the information contained herein is correct. There is a possibility that the image(s) shown may not be exactly the same as the final product. The company reserves the right to modify product specifications without prior notice and assumes no responsibility for any error which may appear in this publication.

All brand names, logo and registered trademarks are properties of their respective owners.
Copyright 2019 Austin Hughes Electronics Ltd. All rights reserved.

CA-UltraRack-Q419V2