

# 2-Post Standard Equipment Rack

## specifications

The data equipment rack shall meet EIA-310E standards and be constructed of extruded aluminum or steel capable of accepting 19" wide EIA equipment. The telecommunications rack shall be constructed of extruded aluminum and capable of accepting 23" wide telecommunications equipment. Rack construction method shall ensure an electrically-bonded structure for ease of grounding. The 3" channel rack shall be UL listed for 1000 lbs. load rating and the 6" channel rack shall be UL listed for 1500 lbs. load rating. The equipment mounting rails shall be double-sided #12-24 EIA universal mounting hole spacing. The equipment mounting rails shall include printed rack space identification on the front and back and be numbered up. The channel of the rack shall be capable of mounting NetRunner™ or PatchRunner™ 2 Vertical Cable Managers. 24 #12-24 mounting screws shall be included with the rack.



## technical information

<i>Dimension:</i>		Part Number	RU	Height In. (mm)	Width In. (mm)	Depth In. (mm)
		R2P^	45	84.0 (2134)	20.3 (514)	3.0 (76)
		R2P48	24	48.0 (1219)	20.3 (514)	3.0 (76)
		R2P79	42	79.0 (2007)	20.3 (514)	3.0 (76)
		R2P96	52	96.1 (2441)	20.3 (514)	3.0 (76)
		R2PW	45	84.0 (2134)	24.5 (616)	3.0 (76)
		R2PS	45	84.0 (2134)	20.3 (514)	3.0 (76)
		R2P6S	45	84.0 (2134)	20.3 (514)	6.0 (152)
		R2P6S96	52	96.1 (2441)	20.3 (514)	6.0 (152)

**Packaging:** Includes right and left mounting rack channels, top and bottom brackets, assembly hardware with paint piercing washers and anti-oxidizing paste for complete rack bonding

## key features and benefits

<b>Rack spaces:</b>	The 8' rack with 52 RUs allows more equipment in the same footprint to maximize real estate for lowest cost of ownership
<b>Extruded aluminum construction:</b>	Designed to be lightweight and durable for easier deployment and reduced transportation costs; UL listed for 1000 lbs.
<b>Heavy duty steel construction:</b>	6" channel rack designed for higher weight capacity for large equipment; UL listed for 1500 lbs.
<b>Printed rack space identification:</b>	Allows for quick location of rack mounted equipment for faster installation and less rework; see individual customer drawings for specific rack RU numbering
<b>Paint piercing washers:</b>	Fully electrically bonds rack components to simplify grounding process for improved network reliability
<b>Double-sided #12-24 mounting holes:</b>	Provides ability to mount equipment on both sides of the rack channel for improved system flexibility
<b>Multiple mounting hole locations:</b>	Provides flexibility to mount to floor using any of three hole locations. Note: Utilizing holes closest to the vertical uprights will minimize deflection
<b>J-bolt accessibility:</b>	J-bolt can be attached to top bracket without violating top RU space for added stability

## applications

2-Post standard equipment rack provides a reliable foundation for mounting telecommunication and data center equipment. The rack can be used to manage high performance copper and fiber patch cables. This modular rack system is compatible with horizontal and vertical cable managers. The 2-Post standard equipment rack is part of a complete rack and cable management system that manages, protects, and showcases your network investment.

### 3" Channel Racks – #12-24 threaded rail, Aluminum

84"H x 19"W:	R2P^
48"H x 19"W:	R2P48
79"H x 19"W:	R2P79
96"H x 19"W:	R2P96
84"H x 23"W:	R2PW

### 3" Channel Racks – #12-24 threaded rail, Steel

84"H x 19"W:	R2PS
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### 6" Channel Racks – #12-24 threaded rail, Steel

84"H x 19"W:	R2P6S
96"H x 19"W:	R2P6S96

### 2-Post Rack Accessories for 19" Racks – Front Mount Shelves

1.7"H x 19.0"W x 15.2"D:	SRM19FM1
3.5"H x 19.0" W x 15.2"D:	SRM19FM2
<b>Cantilevered Shelf Vented</b> 5.2"H x 19.2"W x 12.5"D:	SRM19CMV3
<b>Cantilevered Shelf</b> 5.2"H x 19.0"W x 12.5"D:	SRM19CM3

### Adjustable Shelf

19.0"W x 18.0"D:	SRM19X18A
19.0"W x 25.0"D:	SRM19X25A

### Power Distribution Unit (PDU) Mounting Bracket

2-Post rack (PDU) bracket (set of 2):	R2PPDUB^
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### Additional Hardware

100 #12-24 screws:	S1224-C
<b>Rack anchor kit for concrete floor:</b>	RFAKIT
<b>Rack anchor kit for raised floor:</b>	RFA3KIT

### NetRunner Vertical Cable Managers – 7' Front and Rear

45 RU, 4" x 5":	WMPV45E
45 RU, 6" x 6":	WMPVHC45E
<b>Front Only</b>	
45 RU, 4" x 5":	WMPVF45E
45 RU, 6" x 6":	WMPVHCF45E

### PatchRunner 2 Vertical Cable Managers with Doors - 7'

<b>Dual-sided with two doors:</b>	PR2VD**+^
<b>Dual-sided with one door:</b>	PR2VSD**+^
<b>Single-sided with one door:</b>	PR2VFD**+^

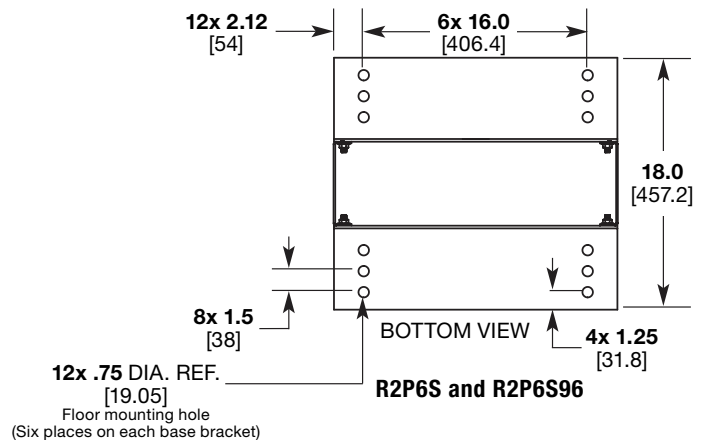
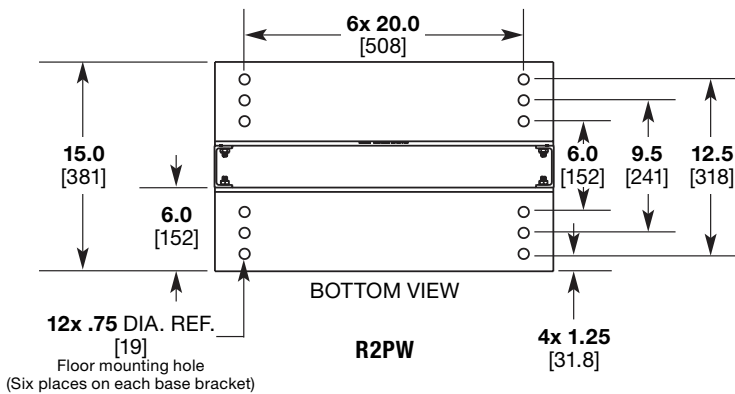
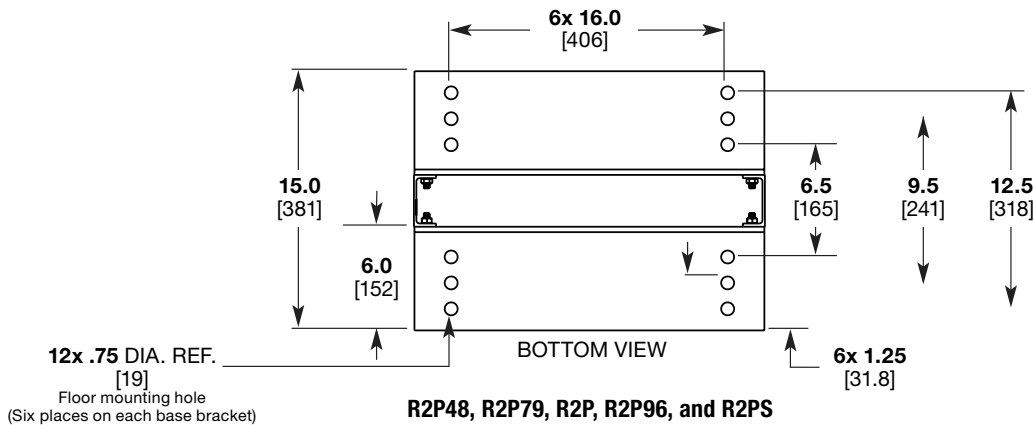
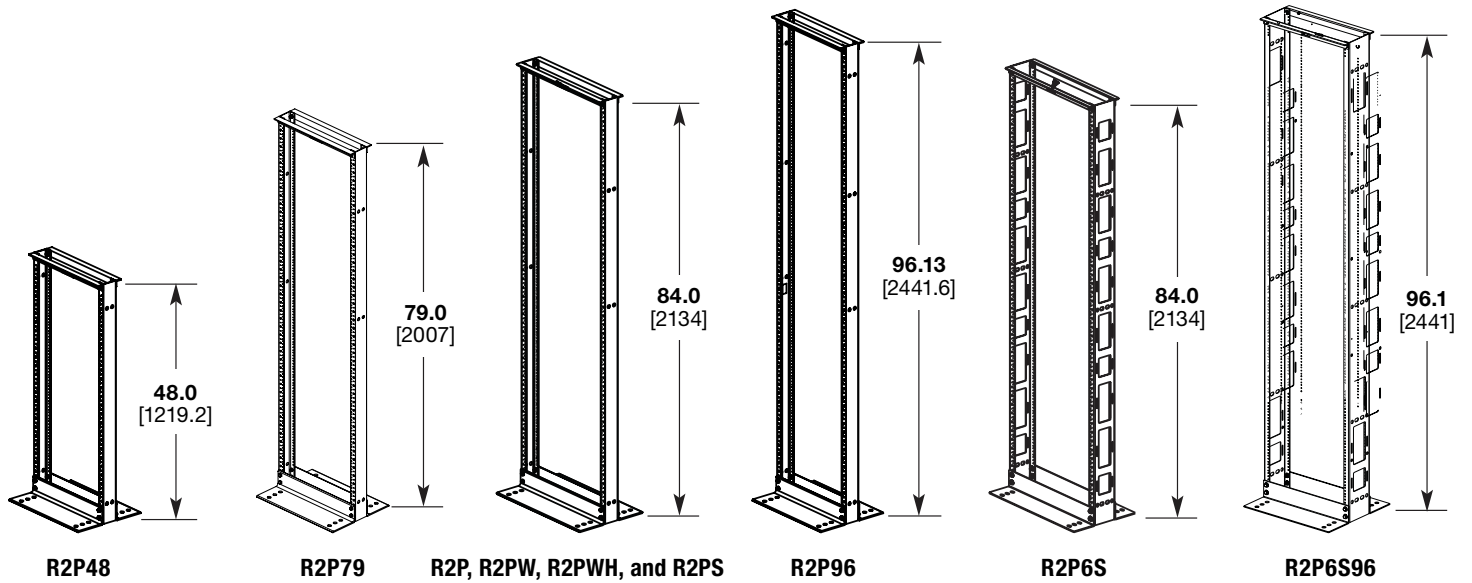
+For parts 6.5' tall, add "79" to the end of the part number. For part numbers 8' tall, add "96" to the end of the part number. Ex: R2P96

^For part numbers in white, add "WH" to end of part number. Ex: R2PWH

\*\*For part widths, add 06 (6"), 08 (8"), 10 (10"), or 12 (12"). Ex: PR2VD0696WH

6.5' tall parts are only available in 06 and 12 widths

# 2-Post Standard Equipment Rack



Dimensions are in inches. [Dimensions in brackets are metric].

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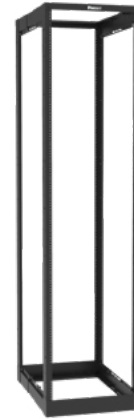
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# Adjustable Depth 4-Post Rack System



## SPECIFICATIONS

The adjustable depth 4-post rack shall meet EIA/ECA-310-E standards, be 45 or 52 RU, constructed of steel and capable of accepting 19 in. wide EIA equipment. The rack shall have adjustable depth from 23 in. to 42 in. in 0.5 in. increments. The equipment mounting rails shall be #12-24 threaded or cage nut square opening style mounting. The equipment mounting rails shall include printed rack unit numbering from bottom up. The rack shall accept shelf units and equipment brackets. The front and rear structural posts of the rack shall be capable of mounting NetRunner™ or PatchRunner™ 2 Vertical Cable Managers and accessories such as power distribution units, waterfalls and vertical tie-off brackets. The construction method shall ensure an electrically bonded structure for ease of grounding. The rack shall contain eight masked grounding locations for ease of selection for lug connection position.

## TECHNICAL INFORMATION

Attributes:	Part Number	RU	Height in. (mm)	Width in. (mm)	Depth in. (mm)
	AR4P(WH)	45	84.13 (2136.90)	20.31 (515.90)	23.00 – 42.00 (584.20 – 1066.80)
	AR4PCN(WH)				
	AR4P96(WH)	52	96.13 (2441.70)		
	AR4PCN96(WH)				

## KEY FEATURES AND BENEFITS

<b>Welded steel construction:</b>	UL listed, 2000 lb. load capacity provides greater stability
<b>Self-squaring:</b>	Front-to-back braces are installed in two axes, helping to maintain squareness of the rack during assembly
<b>Inward facing feet:</b>	Reduces overall front-to-back footprint, aligning better to floor tiles
<b>Numerical rack unit identification:</b>	Allows for quick location of rack spaces speeding installation of rack mount items, racks are numbered from bottom up
<b>Fully bonded structure:</b>	Paint piercing hardware electrically bonds the rack when assembled, eliminating the need for additional bonding components
<b>PEM stud and carriage bolt construction:</b>	Eliminates the need for a second wrench, increasing speed and ease of assembly
<b>Multiple options for mounting accessories:</b>	Accessories such as PDU brackets, vertical tie-off brackets and waterfalls mount on posts or front-to-back braces for greater application flexibility
<b>Integrated masked grounding locations:</b>	Eight masked grounding locations available for optimal lug connection position

## APPLICATIONS

The adjustable depth 4-post rack system is designed to support network equipment found in data center, telecommunication room and lab environments. The rack combines the stability of a cabinet with the accessibility of an open rack to provide the user with maximum flexibility when designing the network layout. Front and rear weldments with adjustable front-to-back braces provide the required strength and flexibility needed to work with various types of active equipment. The open design allows for maximum airflow in and around the rack. The adjustable depth 4-post rack system is part of a complete rack and cable management system that manages, protects, and showcases your network investment.

### Adjustable Depth 4-Post Racks – 7 foot and 8 foot

23 in. – 42 in. depth #12-24 threaded rails:	AR4P* <sup>^</sup>
Cage nut rails:	AR4PCN* <sup>^</sup>

### 4-Post Racks Accessories

Vertical tie-off bracket:	V4PTOB <sup>^</sup>
Adjustable depth vertical tie-off bracket:	V4PATOB <sup>^</sup>
Vertical PDU mounting brackets:	CVPDUB <sup>^</sup>
Waterfall trough for use with PatchRunner 2:	PR2VWF <sup>^</sup>
Waterfall trough for use with PatchRunner 2 Enhanced:	PE2VWF <sup>^</sup>
Strain relief bar, 2 in. depth:	SRB19BLY
Strain relief bar, 4.5 in. depth:	SRB19ED5BL
Shelves	
19 in. W x 30 in. D:	RSHLF <sup>^</sup>
19 in. W x 23 in. D:	RSHLF23
19 in. W x 36 in. D:	RSHLF36 <sup>^</sup>
Rack anchor kit for concrete floor:	RFAKIT
Rack anchor kit for raised floor:	RFA3KIT
100 cage nuts w/ M6 screws:	CNWSM6-C
100 cage nuts w/ #12-24 screws:	CNWS1224-C
100 #12-24 screws:	S1224-C
Fiber storage ring:	WMFS24

### PatchRunner 2 Vertical Cable Managers with Doors – 7 foot and 8 foot

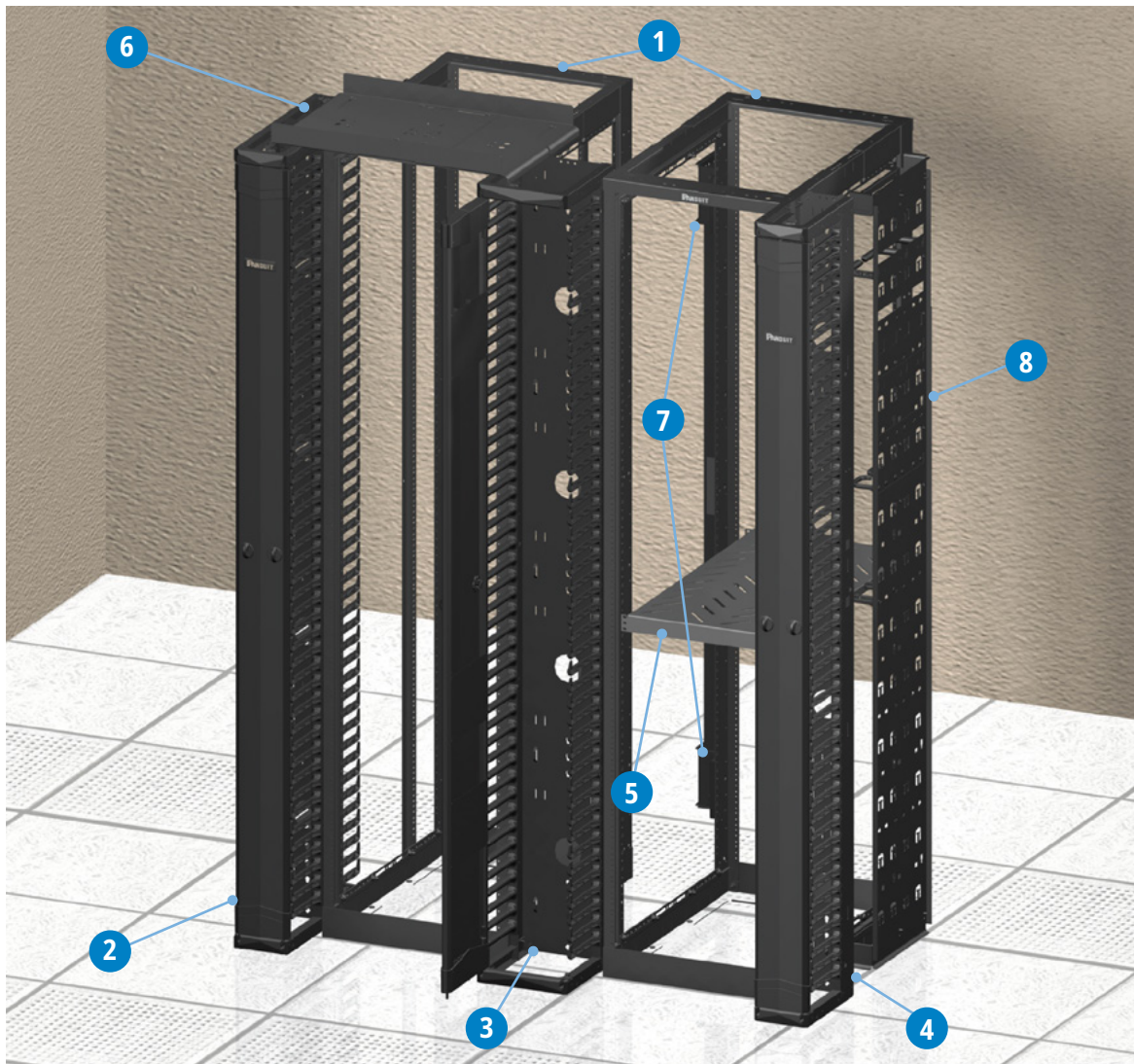
6 in. W, front and rear:	PR2VD06* <sup>^</sup>
6 in. W, front only:	PR2VFD06* <sup>^</sup>
8 in. W, front and rear:	PR2VD08* <sup>^</sup>
8 in. W, front only:	PR2VFD08* <sup>^</sup>
10 in. W, front and rear:	PR2VD10* <sup>^</sup>
10 in. W, front only:	PR2VFD10* <sup>^</sup>
12 in. W, front and rear:	PR2VD12* <sup>^</sup>
12 in. W, front only:	PR2VFD12* <sup>^</sup>

### 4-Post Racks Accessories

HAC adjustable top cap:	AR4PATC <sup>^</sup>
CAC top cap:	AR4PCACTCBL AR4PCACTCWH
Rack aisle containment kit:	AR4P-AC-KIT <sup>^</sup>
4.9 in. W, front and rear:	WMPV45E
4.9 in. W, front and rear:	WMPVF45E
6.7 in. W, front and rear:	WMPVHC45E
6.7 in. W, front and rear:	WMPVHCF45E

\*Add 96 to indicate 8 ft. offering  
<sup>^</sup>Colors other than Black: WH (White)

# Adjustable Depth 4-Post Rack System



**1 AR4P\*:** 4-Post Rack  
#12–24 threaded rails  
84.0 in. H x 20.3 in. W x 23 in. – 42 in. D,  
45 rack units (RU)

**AR4PCN\*:** 4-Post Rack  
Cage nut rails  
84.0 in. H x 20.3 in. W x 23 in. – 42 in. D,  
45 RU (not shown)

**2 3 4** PatchRunner 2 Vertical Managers  
Available in 6 in., 8 in., 10 in., and 12 in.  
widths to fit both 7 ft. and 8 ft. racks

**5 RSHLF:** 4-Post Rack Shelf  
19 in. W x 30 in. D

**RSHLF23:** 4-Post Rack Shelf  
19 in. W x 23 in. D (not shown)

**RSHLF36:** 4-Post Rack Shelf  
19 in. W x 36 in. D (not shown)

**6 PR2VWF:** Waterfall Trough  
creates pathway above rack

**7 CVPDUB:** PDU Bracket  
(set of 2)

**8 V4PTOB:** Vertical Tie-Off Bracket  
creates additional pathway

\*For part numbers 8 ft. tall, add "96" to end of part number. Ex: R4P96 or R4PCN96