Industrial Automation 4 Post Rack

specifications

The industrial automation 4 post rack shall have steel equipment rails, top cross members, base, and steel telescoping front to back frame members. The telescoping frame members shall allow the user to adjust the rack depth to either of two sizes: 23 inches (584mm) deep or 29 inches (737mm) deep. The assembled rack shall be 24 RU or 48 inches (1219mm) tall. Each RU shall be marked starting from 1 at the bottom to 24 at the top of the rack. Rack construction method shall ensure an electrically bonded structure for ease of grounding. The base shall have a set of mounting holes on each side for mounting options to a floor. The assembled rack shall accept 22 RU vertical managers at each corner. There shall be slots for tie off. There shall be threaded rod mounting options available.

technical information

Dimensions:	IAR4P48CN – cage nut equipment rails 48.0"H x 23.2"W (1219mm x 589mm) Depth adjustable to either 23.0" or 29.0" (584mm) or (737mm)
Material:	16 gage steel, black powder coat finish

key features and benefits

For industrial uses	Designed for manufacturing data centers where the number of servers, switches, and Ethernet drops may be lower than in a conventional enterprise data center
Adjustable depth	Can be set at 23.0" (584mm) deep for popular switches or at 29.0" (737mm) deep for server or 1 RU or 2 RU switches with brackets
Designed to work with Panduit vertical cable managers	Vertical cable management options to mitigate risk and maximize reliability; up to four vertical managers can be used, one at each rack corner
Designed to work with Panduit horizontal cable managers	Horizontal cable managers organize cable from flat panel devices like switches for easy installation and simplifying moves, adds, and changes
Printed rack space identification	Allows for quick location of rack mounted equipment for faster space identification installation and less rework; see individual customer drawings for specific rack RU numbering
Paint piercing washers	Fully electrically bonds rack components to simplify grounding process for improved network reliability

applications

Panduit industrial racks allow industrial Ethernet users to incorporate best practice equipment management and cable management techniques developed for use in data centers. The industrial rack can replace tabletop or shelf mounting of servers, switches, and storage with state-of-the-art rack mounting and equipment management. The industrial rack is used in the Micro Data Center (MDC), defined as the area in the manufacturing environment where the necessary compute, storage, and switching exclusively for manufacturing reside. In addition, the industrial rack allows users to follow Cisco's^ recommended Converged Plantwide EtherNet/IP architecture for manufacturing; including demilitarized zone (DMZ), with firewall appliances and redundant compute and switching.

^Cisco is a registered trademark of Cisco Technology Inc.

Industrial Automation 4 Post Rack	
4 post rack, 48" tall:	IAR4P48CN
Industrial Automation 4 Post Rack Accessories	
19" EIA mount DIN rail bracket 4 RU:	IABDIN4
19" rack mount POU:	CMRPSH20
Shelves 19"W x 30"D:	RSHLF
19"W x 23"D:	RSHLF23
Grounding Accessories	
In-cabinet grounding busbar:	RGRB19Y
Grounding jumper kit for grounding rack:	RGCBNJ660P22
Grounding jumper for switches:	RGEJ660U
Green bonding screws:	RGTBSG-C
PatchLink™ Horizontal Cable Managers	
2 rack space manager, front and rear 3" x 3" front, 19" cover:	WMPH2E
2 rack space manager, front only 3" x 3" front, 19" cover:	WMPHF2E
NetRunner™ Vertical Cable Managers for 19" and 23" Wide Racks	
Front and rear 22 RU, 4.9" x 12":	WMPV22E
22 RU, front only:	WMPVF22E
Additional Hardware	
Rack anchor kit for concrete floor:	RFAKIT
Cage nuts with #12-24 screws:	CNWS1224-C
Cage nuts with M5 screws:	CNWSM5-C
Cage nuts with M6 screws:	CNWSM6-C
Post POU button mount brackets:	CVPDUB
Rail mount POU button mount brackets:	R2PPDUB
Post mount zero RU mount bracket:	CVPPB

Industrial Automation 4 Post Rack

1   IAR4P48CN – 24 RU 4 post rack

2   UICMPP24BLY – Mini-Com® Ultimate ID® Modular Patch Panel with Mini-Com® TX-6 Plus UTP Jack Modules

3   WMPV22E – Vertical cable manager

4   WMPHF2E – PatchLink™ 2 RU Horizontal Cable Managers

5   IABDIN4 – 19" EIA DIN rail bracket

6   CMRPSH20 – 19" horizontal power strip 20 AMP with 10 NEMA 5-20R receptacles

7   RGCBNJ660P22 – Common bonding network jumper kit

For a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information
Visit us at www.panduit.com

Contact Customer Service by email: cs@panduit.com
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