Net-Access™ N-Type Cabinets – 45 RU

specifications

The Net-Access™ N-Type Cabinets shall consist of a welded and assembled steel frame construction available in 800mm (31.5") widths, 1067mm (42.0") and 1219mm (48.0") depths, and 42 RU, 45 RU and 48 RU heights. The top of cabinet includes molded edge protection and snap-in covers pre-installed in cable entry openings to prevent air leakage. Cabinets shall include front dual hinge doors or single hinge doors with 69% open perforation and rear split doors. Cabinets shall include front and rear cable management fingers. The entire cabinet shall be fully electrically bonded, including equipment rails, door and side panels. Single point bonding locations shall be available at the top and bottom of each cabinet. Cabinets shall have a 1360kg (3000 lbs.) load rating and 1136kg (2500 lbs.) rolling load rating.

technical information

Dimensions:	45 RU – 800mm W (31.5") x 1068mm D (42.0") x 2134mm H (84.0") without casters 45 RU – 800mm W (31.5") x 1068mm D (42.0") x 2160mm H (85.0") with casters 45 RU – 800mm W (31.5") x 1222mm D (48.1") x 2134mm H (84.0") without casters 45 RU – 800mm W (31.5") x 1222mm D (48.1") x 2160mm H (85.0") with casters
Rail span by cabinet depth:	1068mm Deep - 130mm to 327mm and 412mm to 599mm (761 to 812 with no fingers or PDUs) 1222mm Deep - 130mm to 422mm and 469mm to 751mm (913 to 964 with no fingers or PDUs)
Material:	Steel with durable black polyester epoxy powder coat finish
Compliance:	EIA-310-E TIA/EIA-942 UL2416
Packaging:	Cabinet ships assembled, one per pallet

key features and benefits

Versatility	Wide range of cabinet designs available for specific thermal applications, resulting in improved thermal efficiencies and reductions in energy expenditures
Thermal efficiency	Integral cabinet sealing features reduce bypass air and mixing of cold air and exhaust air within the cabinet for improved thermal efficiency
Total air sealing	Panduit cabinets, thermal ducting, cool boot product, blanking panels, blanking foam strips, and blanking shade provide a complete thermal and sealing solution
Inset frame	Creates a 203mm (8") unobstructed channel between cabinets promoting best-in-class cable management; provides flexibility for switch-specific thermal solutions
Dual hinge front door	Innovative dual hinge door with slam latch handles provides superior access to cabinets and cabling, easing cabinet to cabinet cabling and promoting faster moves, adds and changes.
Aesthetics	N-Type and S-Type cabinets can be ganged together for complete streamlined appearance improving data center aesthetics
Rapid deployment	Cable management included helps speed deployment; easily adjustable rear rails can be quickly repositioned; heavy duty leveling legs can be accessed from top or bottom for faster deployment
Reliability	Fulfills Cisco switch side clearance requirements for increased network reliability and proper thermal management
Bonding	Cabinets and accessories are single-point bonded, providing a safe and reliable network while reducing installation costs
Modular cable management fingers	Provides bend radius control for each rack unit and can be positioned where required on cabinet posts for cable protection for increased network availability; provides design flexibility, scalability, and improved aesthetics for easier moves, adds and changes
Expansive offering	Multiple cabinet configurations for hot aisle/cold aisle, cold aisle containment, or vertical exhaust ducting deployments
Modular cable management channels	Provides optimal and discreet channels for managing and protecting cables contributing to increased network availability
Durable coating	Cabinets are powder coated in a durable, low maintenance polyester epoxy paint available in black (RAL9005), or white (RAL9003)

applications

Net-Access™ N-Type Cabinets are the first choice for applications that require maximum thermal management capability and the capacity to manage high cable densities in an 800mm (31.5") wide enclosure. The cabinet's inset frame provides open area on each side of the cabinet to accommodate higher density cabling applications. The innovative dual hinge front door allows easy and efficient installation and management of cross-connect or interconnect cabling. Innovative integral cabinet air sealing features and seamless integration with Net-Contain™ Hot and Cold Air Containment Components drive efficient utilization of cooling capacity and reduce cooling energy consumption by up to 40%. Refer to Impact of Air Containment Systems, Panduit White Paper #WP-20, June 2012.

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Net-Access™ N-Type Cabinets

Refer to the next page for the Net-Access™ N-Type Standard Configured Cabinets part number configurator

Vertical Exhaust Ducting Applications 800mm x 45 RU x 1200mm

406mm to 660mm (16" to 26" tall):	C2VED08I1626*1
660mm to 965mm (26" to 38" tall):	C2VED08I2638*1
965mm to 1676mm (38" to 66" tall):	C2VED08I3866*1

Accessories

45 RU 1070mm standard side panel – black:	N51SPS*
45 RU 1200mm standard side panel – black:	N52SPS*
45 RU 1070mm split/hinged side panel – black:	N51SPH*
45 RU 1200mm split/hinged side panel – black:	N52SPH*
PDU brackets:	NVPDUB
Casters (adds 26mm or 1" to height):	NCSTR4
Net-Access™ N-Type Vertical Blanking Panels with pass-through holes for cabinets 42 RU through 48 RU:	NVBP
45 RU finger kit – 100mm (4") long:	SN15F
45 RU finger kit – 150mm (6") long:	SN25F
Three digit combination lock with key for use with single hinge or split hinge doors:	CCL3
Center slack spool:	NACSS
End of row slack spool:	NERSS
Exhaust duct for Cisco^ 6509 switch used with 1070mm cabinet:	DERLCC6509A
Exhaust duct for Cisco^ 7009 switch used with 1070mm cabinet:	DERLCC7009A
Exhaust duct for Cisco^ 9513 switch used with 1070mm cabinet:	DERLCC9513A
Exhaust Duct for Cisco^ 6513 switch used with 1070mm cabinet:	DERLCC6513A
Cool Boot® Cabinet Top Air Sealing Fitting for 6.5 x 6.5 cabinet top opening:	CTGN6X6
Cool Boot® Cabinet Top Air Sealing Fitting for 3.5 x 5 cabinet top opening:	CTGN3X5
Cabinet top cable protection bezel for 6.5 x 6.5 cabinet top opening:	CTNBZL6X6

*Part number shown as Black. Add Suffix W for White.
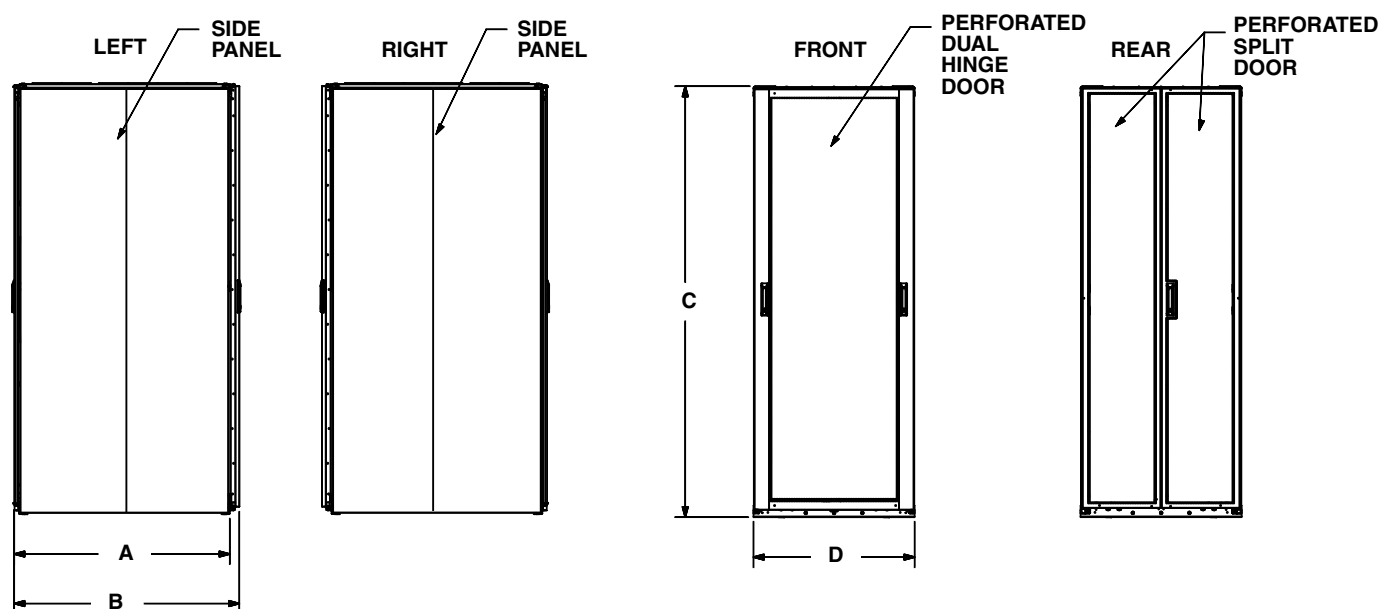
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Series	Width	Height	Depth	Side Panels	Color	Standard Options (Select Only One)

N	8 = 800mm	2 = 42 RU
		5 = 45 RU
		8 = 48 RU
			1 = 1070mm
			2 = 1200mm
				2 = 2 Side Panels*
				9 = No Side Panel
					B = Black
					W = White
						C = Cage Nut Rails
						E = Single Hinge Front Door and Cage Nut Rails
						S = No Doors**
						T = Integral Cabinet Top Cable Routing System**
						TC = Integral Cabinet Top Cable Routing System
						   and Cage Nut Rails
						U = Vertical Blanking and Cage Nut Rails
						V = VED Ready**
						Y = VED Ready and Cage Nut Rails
						YT = VED Ready, Cage Nut Rails, and Integral
						   Cabinet Top Cable Routing System

*Standard side panel. **Include #12-24 tapped equipment rails. V, Y and YT - Only available for 1200mm deep cabinets.

Standard Configurations have 6 characters with only one standard option suffix.

N	8	2	1	2	B	

45 RU cabinet dimensions

Nominal Cabinet Depth	Dimension A	Dimension B	Dimension C	Dimension D
1070mm	1068mm (42.0")	1115mm (43.9")	2134mm (84.0"): without casters 2160mm (85.0"): with casters	798mm (31.4")
1200mm	1222mm (48.1")	1269mm (50.0")	2134mm (84.0"): without casters 2160mm (85.0"): with casters	798mm (31.4")

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
or by phone: 800.777.3300

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