Net-Access™ N-Type Cabinets – 45 RU

specifications

The Net-Access™ N-Type Cabinets shall consist of metal frames available in 800mm (31.5") widths, 1067mm (42.0") and 1219mm (48.0") depths, and multiple 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 1020kg (2250 lbs.) rolling load rating.

technical information

Dimensions:	45 RU – 800mm W (31.5") x 1067mm D (42.0") x 2134mm H (84.0") without casters
	45 RU – 800mm W (31.5") x 1067mm D (42.0") x 2160mm H (85.0") with casters
	45 RU – 800mm W (31.5") x 1219mm D (48.0") x 2134mm H (84.0") without casters
	45 RU – 800mm W (31.5") x 1219mm D (48.0") x 2160mm H (85.0") with casters
Rail span by cabinet depth:	1067mm (42"): 105 – 624mm, and 735 – 802mm (4.1 – 24.5" and 28.9 – 31.5")
	1219mm (48"): 105 – 776mm, and 887 – 954mm (4.1 – 30.5" and 34.9 – 37.5")
Material:	Galvannealed steel with durable black polyester epoxy powder coat finish
Compliance:	EIA-310-D
	TIA/EIA-942
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 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 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 polyester 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 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%.

^Cisco is a registered trademark of Cisco Technology Inc.

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Net-Access™ N-Type Cabinets for use in Hot Aisle/Cold Aisle Applications

800mm x 45 RU x 1067mm

45 RU, front dual hinge door, rear perforated split doors, (2) side panels, tapped #12-24 rails:	N8512*
45 RU, front dual hinge door, rear perforated split doors, threaded #12-24 rails:	N8519*
45 RU, front dual hinge door, rear perforated split doors, (2) side panels, cage nut rails:	N8512*C
45 RU, front dual hinge door, rear perforated split doors, cage nut rails:	N8519*C
45 RU, threaded #12-24 rails:	N8519*S
45 RU, #12-24 cage nut rails, cable management:	N8519*Q

800mm x 45 RU x 1219mm

45 RU, front dual hinge door, rear perforated split doors, threaded #12-24 rails:	N8529*
45 RU, front dual hinge door, rear perforated split doors, cage nut rails:	N8529*C
45 RU, front dual hinge door, rear perforated split doors, (2) side panels, #12-24 cage nut rails:	N8522*C

Net-Access™ N-Type Cabinets for use in Cold Aisle Containment Applications

800mm x 45 RU x 1067mm

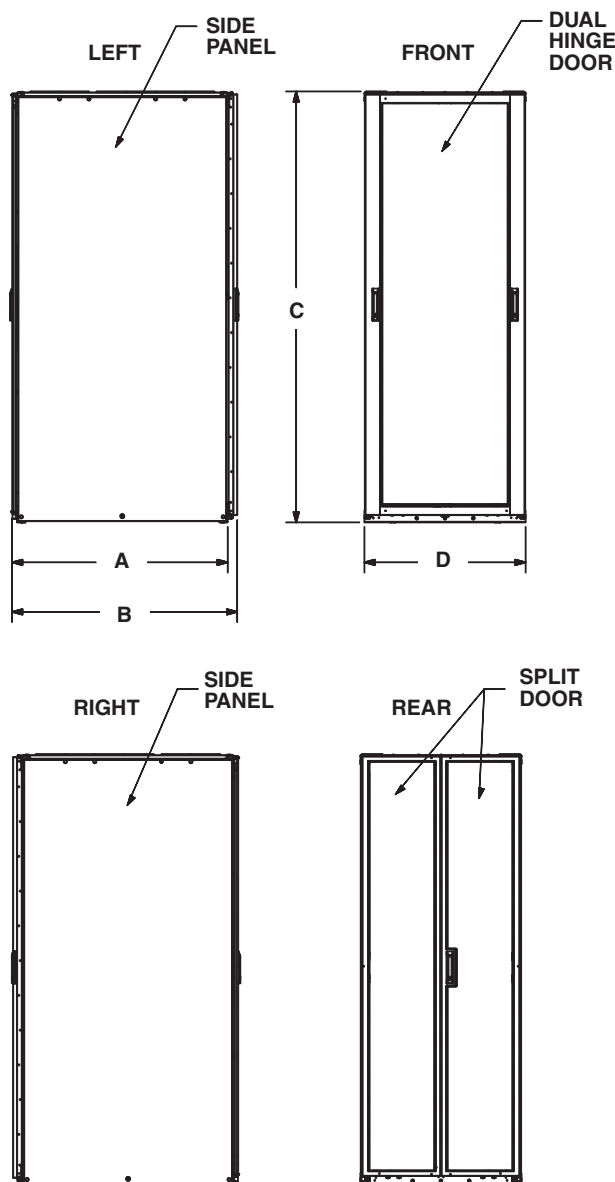|	
45 RU, front dual hinge door, rear perforated split doors, 2 side Panels, vertical blanking panels, cage nut rails:	N8512*U
45 RU, front dual hinge door, rear perforated split doors, vertical blanking panels, cage nut rails:	N8519*U

800mm x 45 RU x 1219mm

45 RU, front dual hinge door, rear perforated split doors, 2 side Panels, vertical blanking panels, cage nut rails:	N8522*U
45 RU, front dual hinge door, rear perforated split doors, vertical blanking panels, cage nut rails:	N8529*U

Net-Access™ N-Type Cabinets and Ducting for use in Vertical Exhaust Ducting Applications

800mm x 45 RU x 1219mm

45 RU, front dual hinge door, rear solid single hinge door, 1 side panels, vertical blanking panels, cage nut rails:	N8521*Y
45 RU, front dual hinge door, rear solid single hinge door, vertical blanking panels, cage nut rails:	N8529*Y
Vertical Exhaust Ducting – 406mm to 660mm (16" to 26" tall):	C2VED08I1626*1
Vertical Exhaust Ducting – 660mm to 965mm (26" to 38" tall):	C2VED08I2638*1
Vertical Exhaust Ducting – 965mm to 1676mm (38" to 66" tall):	C2VED08I3866*1

45 RU Cabinet Dimensions

LEFT · **SIDE PANEL**

FRONT · **DUAL HINGE DOOR**

RIGHT · **SIDE PANEL**

REAR · **SPLIT DOOR**

Accessories	
45 RU 1070mm split/hinged side panel – black:	N51SPH
45 RU 1070mm split/hinged side panel – white:	N51SPHW
45 RU 1200mm split/hinged side panel - black:	N52SPH
45 RU 1200mm split/hinged side panel - white:	N52SPHW
POU 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
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:	CTCN6X6

*Indicates optional colors. Replace * with:
B = Black, W = White

Cabinet Depth	Dimension A	Dimension B	Dimension C	Dimension D
1067mm	1067mm (42.0")	1115mm (43.9")	2134mm (84.0"): without casters 2160mm (85.0"): with casters	798mm (31.4")
1219mm	1219mm (48.0")	1266mm (49.9")	2134mm (84.0"): without casters 2160mm (85.0"): with casters	798mm (31.4")

Dimensions are in metric. (Dimensions in parentheses are inches).

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