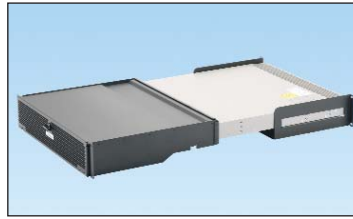


specifications

The inlet duct shall be designed using CFD modeling and actual thermal lab verification, and shall be compatible with Cisco[^] Nexus N2K and Catalyst 4948E. The inlet duct shall optimize thermal performance by channeling air directly from the cold aisle to the switch inlet decreasing operating temperature. The passive inlet duct shall enable higher temperature set points in the data center resulting in reduced energy costs. The modular duct shall be capable of being installed in retro-fit applications and allow access to fan and power supply modules without disrupting existing in-cabinet equipment and cabling.



technical information

Overall dimensions: CDE2: 29.0"L x 19.0"W x 3.5"H (737mm x 449mm x 88mm)

key features and benefits

Provides a cool air path to the switch	Increases energy efficiency in ToR applications and allows high density server applications
Inlet duct for uniform and low impedance flow distribution within switch: N2K-C2148T-1GE, N2K-C2224TP-1GE, N2K-C2232PP-10GE, N2K-C2248TP-1GE, WS-C4948E-F, WS-C4948E-F-S, and WS-C4948E-F-E	Verified interoperability for increased network reliability
Passive inlet duct for cool air to the switch	No additional moving parts or power required for a more reliable, efficient, economical and environmentally friendly system
Day one or two installation	Eliminates the requirement to replace or disturb existing cabinets, equipment and infrastructure for lower capital expenditures and minimized risk
Enables installation in 19 inch 4 post racks and cabinets	Can be used with existing infrastructure for lower capital expenditures
Allows for installation in cabinets with mounting depths from 24 – 30" (610 – 762mm)	Allows greater network flexibility and reliability
Allows access to power supplies and fan blades	Allows ease of maintenance
Support bracket supports switch during installation	Allows single person ease of switch installation

applications

Top of Rack (ToR) switches, such as the Cisco[^] Nexus 2000 series, are designed to meet the server-access networking requirements of the virtualized data center. When deployed within server cabinets or racks, the modular duct provides a cool air path to the air intakes of the switch. By providing a path for cool air to the switch, data center temperature set points can be raised – resulting in higher energy efficiencies and lower operating costs.

Inlet Duct for ToR Switching Applications

Cisco[^] Inlet Duct
WS-C4948,
WS-C4928-10GE,
ME-4924-10GE: CDE1

Cisco[^] Inlet Duct
N2K-C2148T-1GE,
N2K-C2224TP-1GE,
N2K-C2232PP-10GE,
N2K-C2248TP-1GE,
WS-C4948E-F,
WS-C4948E-F-S, and
WS-C4948E-F-E: CDE2

Net-Access™ Server Cabinet (CS Family)*

With solid side panels
32"w 45 RU: CS1

No side panels
32"w 45 RU: CS2

Net-SERV™ Basic Configuration with Full Perforated Front and Split Perforated Rear Doors

With solid side panels
28"w 42 RU: S722C122B
28"w 45 RU: S752C122B
24"w 42 RU: S622C122B
24"w 45 RU: S652C122B

No side panels
28"w 42 RU: S722C129B
28"w 45 RU: S752C129B
24"w 42 RU: S622C129B
24"w 45 RU: S652C129B

Net-SERV™ Standard Density Cable Management Configuration with Full Perforated Front and Split Perforated Rear Doors

With solid side panels
28"w 42 RU: S722C122F
28"w 45 RU: S752C122F
24"w 42 RU: S622C122F
24"w 45 RU: S652C122F

No side panels
28"w 42 RU: S722C129F
28"w 45 RU: S752C129F
24"w 42 RU: S622C129F
24"w 45 RU: S652C129F

Net-SERV™ Vertical Patch Cable Management Configuration with Full Perforated Front and Split Perforated Rear Doors

With solid side panels
28"w 42 RU: S722C122P
28"w 45 RU: S752C122P

No side panels
28"w 42 RU: S722C129P
28"w 45 RU: S752C129P

Net-SERV™ High Density Cable Management Configuration with Full Perforated Front and Split Perforated Rear Doors

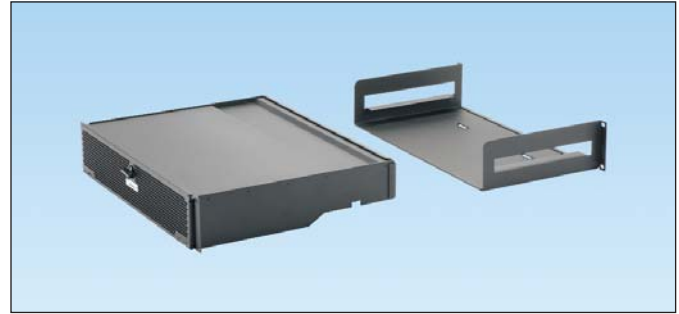
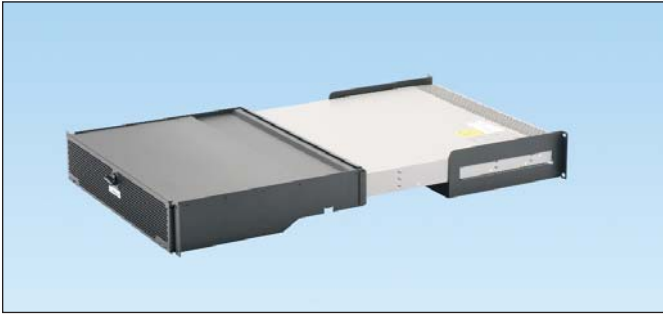
With solid side panels
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24"w 42 RU: S622C122H
24"w 45 RU: S652C122H

No side panels
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28"w 45 RU: S752C129H
24"w 42 RU: S622C129H
24"w 45 RU: S652C129H

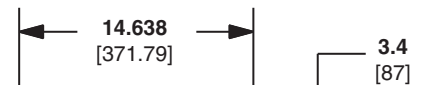
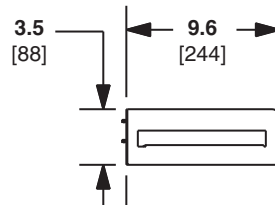
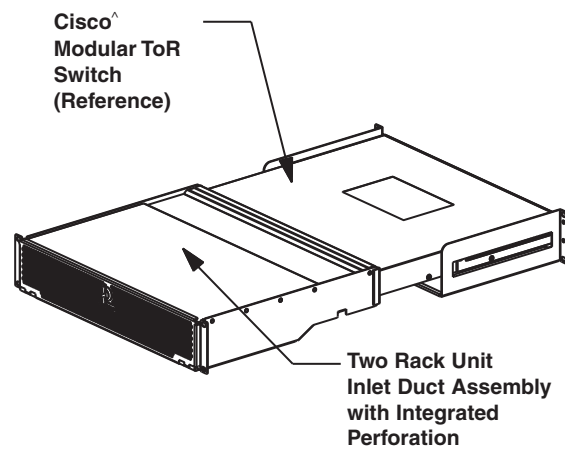
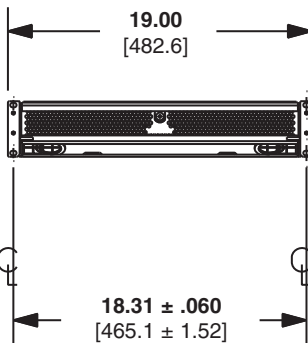
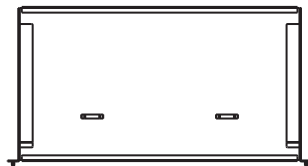
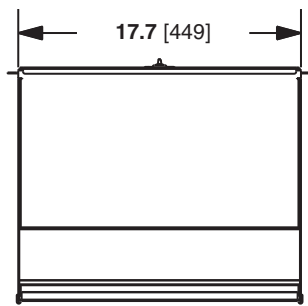
*For additional information on Net-Access™ Cabinets, refer to brochure SA-RKCB16.

[^]Cisco is a registered trademark of Cisco Technology, Inc.

CDE2 Modular ToR Switch Inlet Duct



CDE2



[^]Cisco is a registered trademark of Cisco Technology, Inc.

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

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