Thermal Inlet Ducts for Cisco Nexus^ 9396 and 93128 Switches for Net-Access™ S-Type Cabinets

PANDUIT®

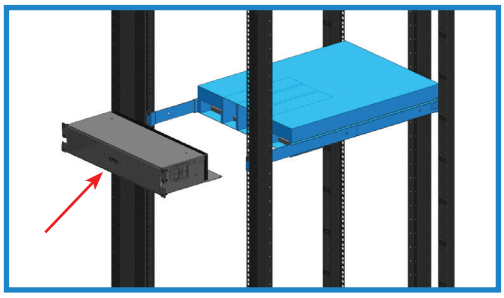
DATA SHEET

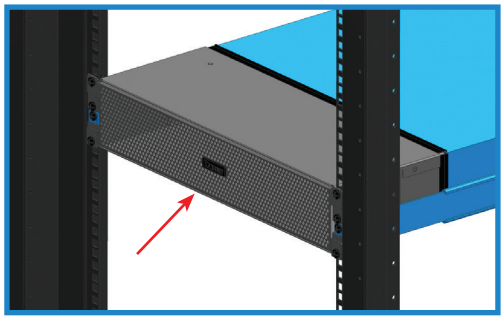
Specifications

The inlet duct shall be designed using CFD modeling and actual thermal lab verification, and shall be compatible with Cisco Nexus^ 9396 and Nexus^ 93128. The inlet duct shall optimize thermal performance by directing air from the cold aisle to the switch inlet preventing hot air recirculation. The use of passive inlet duct shall lower the average switch inlet temperature by 12ºF to 22ºF; 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.

Inlet Duct for Top-of-Rack Switch Applications

Nexus^ 9396PX - DIFBA2002S00S
Nexus^ 9396TX - DIFBA2002S00S
Nexus^ 93128TX - DIFBA3003S00S





Technical Information

Dimensions:

DIFBA2002S00S (2 RU): 29"-30"D (adjustable) x 3.50"H x 18.3"W (736.6 - 762mm D x 88.9mm H x 465mm W)

DIFBA3003S00S (3 RU): 29"-30"D (adjustable) x 5.25"H x 18.3"W (736.6 - 762mm D x 133.35mm H x 465mm W)

Key Features and Benefits

Direct cool air to the switch: Increases energy efficiency in ToR applications and allows high density server applications

Passive inlet duct: No additional moving parts or power required

Day one or two installation: Eliminates the requirement to replace or disturb existing cabinets, equipment and infrastructure for lower capital expenditures and minimized risk

Compatible with Panduit Server (S-Type) Cabinets: Allows maximum thermal efficiency

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

Bracket supports switch during installation: Allows single person ease of switch installation

Applications

Top of Rack (ToR) switches, such as the Cisco Nexus^ 9000 series, are designed to meet the server-access networking requirements of the virtualized data center. When deployed within server cabinets, 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.

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