Thermal Inlet Duct for the Cisco^ Catalyst 6504-E Switch For Net-Access™ Switch Cabinets (CN**)

PANDUIT®

SPECIFICATION SHEET

specifications

The thermal inlet duct shall be designed to be compatible with the Cisco^ Catalyst 6504-E switch using Computational Fluid Dynamics (CFD) modeling and verified via operational testing. The duct system shall occupy 9 RU consisting of 4 RU of ducting and 5 RU required for the Cisco^ 6504E Switch. The modular duct shall be capable of being installed in a retro-fit application without disrupting existing in-cabinet equipment and cabling.

technical information

Dimensions:	28.0"L x 20.9"W x 15.7"H (711mm x 530mm x 399mm)

key features and benefits

Passive airflow	No additional moving parts or power required for a more reliable, efficient, economical and environmentally friendly system
Certified performance	Designed and validated thermal performance by Panduit
Physical separation between inlet and exhaust airflow	Segregates inlet and exhaust airflow preventing hot air recirculation reducing inlet temperatures at a minimum of 10°C
Inlet duct design	Ensures the cabinet is containment ready for vertical exhaust ducting (VED) and Cold Aisle Containment
Maximized space utilization	Allows the switch to be deployed in a 800mm wide Panduit cabinet without sacrificing thermal performance
Energy efficiency	Provides cool air to the switch resulting in lower fan speed reducing fan power consumption and improving reliability
Day one or two installation	Eliminates the requirement to replace or disturb existing cabinets, equipment and infrastructure for lower capital expenditures and minimized risk
Easy access	Allows access to the power supplies and fan modules minimizing network downtime
Integral bonding to cabinet	Cabinets and accessories are single-point bonded, providing a safe and reliable network, while reducing installation costs

applications

The 4-slot Cisco^ Catalyst 6504-E Switch has a compact 5 RU height that is ideally suited for multi-Gbps secure data centers, remote access, e-commerce, and converged network solutions. The Cisco^ Catalyst 6504-E supports Cisco^ Catalyst 6500 Series end-to-end operational consistency benefits.

Panduit has developed a comprehensive physical infrastructure solution for the Catalyst 6504-E switch platform. 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.

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

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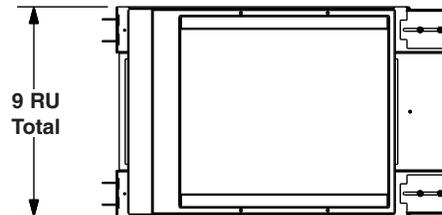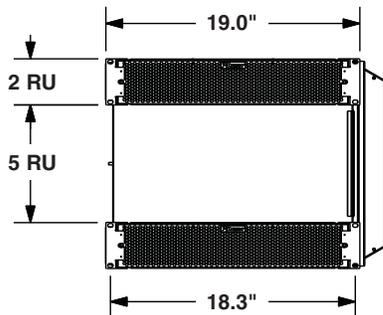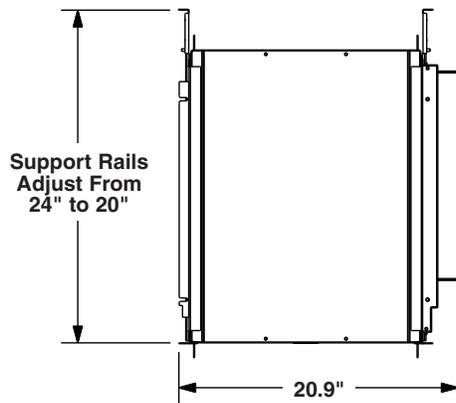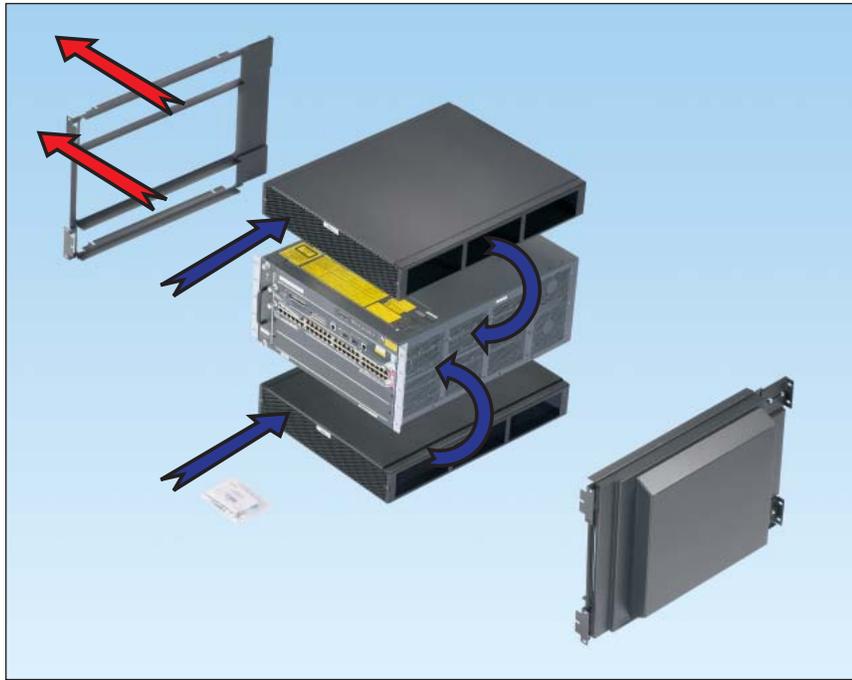| **Inlet Duct for End of Row (EoR) Switching Applications**	
Inlet duct:	CNLTD52A2
Net-Access™ Switch Cabinets for use in Hot Aisle/Cold Aisle Applications*	
45 RU, front dual hinge door, rear perforated split doors, (2) side panels, #12-24 rails – mounted numbers up:	CN1NU
45 RU, front dual hinge door, rear perforated split doors, no side panels, #12-24 rails – mounted numbers up:	CN2NU
Net-Access™ Switch Cabinet Accessories	
Vertical Blanking Panel:	CNVBP
Net-Access™ Switch Cabinet for use with Vertical Exhaust Ducting	
45 RU, front dual hinge door, rear solid split door, no side panels, vertical blanking panels, #12-24 rails – mounted numbers up:	CN28HBNU
Vertical Exhaust Ducting	
Height adjustable – from 42" to 70" (1067mm to 1778mm):	CVED32VE
Height adjustable – from 21" to 45" (533mm to 1143mm):	CVED32VEN
Height adjustable – from 20" to 38" (508mm to 965mm):	CVED32VES
Net-Access™ Switch Cabinets for use in Cold Aisle Containment Applications	
45 RU, front dual hinge door, rear perforated split doors, no side panels, vertical blanking panels, #12-24 rails – mounted numbers up:	CN28BNU
45 RU, front dual hinge door, rear perforated split doors, (1) side panel – left side, vertical blanking panels, #12-24 rails – mounted numbers up:	CN28BLNU
45 RU, front dual hinge door, rear perforated split doors, (1) side panel – left side, vertical blanking panels, cage nut rails – mounted numbers up:	CN28BLCNNU
45 RU, front dual hinge door, rear perforated split doors, no side panels, vertical blanking panels, cage nut rails – mounted numbers up:	CN28BCNNU
42 RU, front dual hinge door, rear perforated split doors, no side panels, vertical blanking panels, cage nut rails – mounted numbers up:	CN282BCNNU
Net-Contain™ System for 1800mm/6 Foot Aisle**	
Ceiling sections Net-Access™ 800mm Cabinets:	CC18RPN8
End of row doors two single swing:	CC18DD

*For additional information on Net-Access™ Cabinets, refer to brochure SA-RKCB19.
**No VED required.

Support Rails Adjust From 24" to 20"

20.9"

19.0"

2 RU

5 RU

18.3"

9 RU Total

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 and reference RKSP92**

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