

Panduit® Converged Infrastructure Cisco* HyperFlex** Solution

Overview

Panduit utilizes extensive converged infrastructure experience in providing the optimal physical infrastructure to support an integrated HyperFlex deployment. Our validated designs include an appropriately-sized standard or dynamic (shippable) cabinet (based on customer needs), connectivity bundles, proper grounding, effective thermal and cable management. Panduit has suggested a rack elevation to deploy a 4-Node HyperFlex base solution as shown, accounting for solution growth, thermal and cable management, as well as data path easily identified via the usage of blue and white SFP+ cables.

This bundled solution provides significant time savings, reduced risk and lowest TCO throughout procurement, installation, and upgrade phases. This solution is pre-engineered so that it arrives ready for rapid and reliable deployment.

With the addition of SmartZone™ Add-On Components, there is an additional value add that provides cabinet thermal management, as well as security access and monitoring.

Technical Information

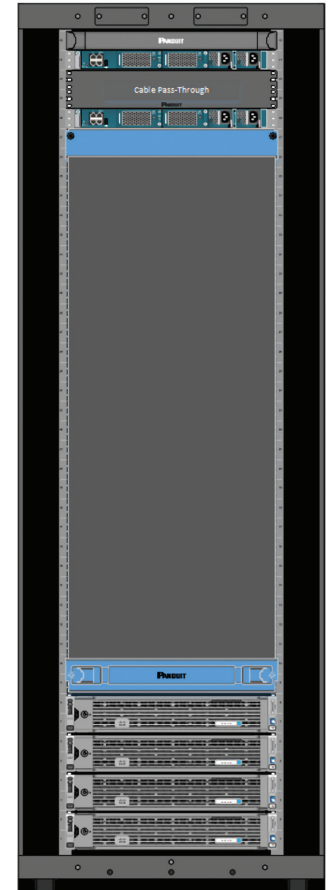
Connectivity for Cisco HyperFlex 4-Node Deployment	4 HyperFlex Nodes (Hx220c-M4 or Hx240c M4) *Hx240C M4 pictured*
	2 fabric interconnects (Cisco 6248UP)

Always follow active equipment manufacturer's recommended installation procedure. Use original equipment packaging for shipment.

No Disruption Expansion	One (1) node expansion add-on bundle (optional)
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Cabinet	600/700/800mm (W) x 1200mm (D) x 45 RU (H) on standard pallet
	23.6/27.6/31.5 in (W) x 48 in (D) x 85 in (H)

*Dynamic shippable option also available in some heights



Active equipment not included. Image is of suggested equipment elevation using representative Hx240C-M4 Nodes.

Other HyperFlex** Solutions Available

HyperFlex Four Node Deployment in Dynamic Shippable Cabinet

HyperFlex Single Node Add-On

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Key Features and Benefits

Cabinet	Allows for proper installation and grounding of HyperFlex equipment	Side Panel options: none/left/right/both PDU bracket options: none/left/right/both
<i>Always follow equipment manufacturer's recommended installation procedure.</i>		
Connectivity Package	Bundling of connectivity provides ease of purchase as lengths and colors are optimized to show data path	Twinax from nodes to fabric interconnects Fiber from fabric interconnects to patch panel
Thermal Solutions	Blanking shade for open RU and tool-less blanking panels for ease of upgrade	Blanking shade and cool boot
Customer Patch Panel	Allows flexible connectivity of equipment to customer network	(1) 24-port panel
Grounding and Bonding	Features components to ensure best practices for grounding equipment; each system includes cabinet to facility ground and paint piercing grounding cage nuts from equipment to cabinet	(2) 10AWG Ground cables for fabric interconnects (1) ESD wrist strap for end user
Cable Management	Manages cables away from equipment airflow and provides proper bend radius at each rack unit. Ensures cable routing and management best practices while improving cabinet airflow at rear of cabinet	Fingers at every RU D-ring cable manager at fabric interconnects

Recommended Accessories

SmartZone™	Features SmartTherm™ Thermal Monitoring and SmartAccess™ Security/Access Control to optimize cabinet performance while offering data center protection	Emerald Tier Packages - Temperature Monitoring - Electronic Handle/Keypad Combo Sapphire Tier Packages - Temperature/Humidity Monitoring - HID Interface Handle with Access Cards
Power Distribution	SmartPower™ Region Specific PDU Options include, but are not limited to the below configurations	PDU Types - Basic, Network Enabled, SmartZone™ Gateway Enabled Options - Monitored, Monitored Per Outlet, Switched Per Outlet

	Americas Region				EMEA Region		
Current	30A	30A	30A	60A	32A	32A	32A
Voltage	208V	208V	208V	208V	230V/400V	230V/400V	230V/400V
Phase	Three Phase Delta	Single Phase	Three Phase Wye	Three Phase Delta	Single Phase	Three Phase Wye	Three Phase Wye
Color	Options Available	Black	Black	Options Available	Black	Black	Options Available
C13 Outlet Count	12 to 24	12 to 24	12 to 24	12 to 24	12 to 24	12 to 24	12 to 24
C19 Outlet Count	6 to 12	6 to 12	6 to 12	6 to 12	6 to 12	6 to 12	6 to 12
Plug Type	NEMA L15-30P	NEMA L6-30P	NEMA L21-30P	IEC 60309 3P/4W	IEC 60309 2P+E	IEC 60309 3P+N+E	IEC 60309 4P/5W

WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT US/CANADA
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
cs-emea@panduit.com
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
cs-ap@panduit.com
Phone: 65.6305.7575

PANDUIT JAPAN
Tokyo, Japan
cs-japan@panduit.com
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA
Guadalajara, Mexico
cs-la@panduit.com
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
cs-aus@panduit.com
Phone: 61.3.9794.9020

For Panduit product warranty information, go to www.panduit.com and click the "Legal information" tab.

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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